

LE SUEUR COUNTY BOARD OF COMMISSIONERS MEETING AGENDA January 31, 2019

- 1. 2:00 p.m. Le Sueur Scott JD4 and Scott Le Sueur JD1 and Lateral 2 of JD1 Special Meeting
- 2. **Scott Le Sueur JD1**
- 3. Le Sueur Scott JD4



Le Sueur County, MN

Thursday, January 31, 2019
Board Meeting

Item 1

2:00 p.m. Le Sueur - Scott JD4 and Scott - Le Sueur JD1 and Lateral 2 of JD1 Special Meeting

Staff Contact:

STATE OF MINNESOTA

JOINT DRAINAGE AUTHORITY OF LE SUEUR AND SCOTT COUNTIES DRAINAGE AUTHORITY FOR LE SUEUR/SCOTT JUDICIAL DITCH 4; SCOTT/LE SUEUR JUDICIAL DITCH 1 AND LATERAL 2 OF SCOTT/LE SUEUR JUDICIAL DITCH 1

NOTICE OF SPECIAL MEETING

Notice is hereby given that a meeting of the Le Sueur and Scott County Joint Drainage Authority will be held on Thursday, January 31, 2019 at 2:00 p.m., in the Le Sueur County Commissioners room located at 88 South Park Avenue, Le Center, MN. The Joint Board will meet to consider and take action on the following matters:

- To consider the financial condition of the drainage system account for Le Sueur/Scott Judicial Ditch (JD) 4 and approve a drainage assessment and lien for the drainage system.
- To consider the financial condition of the drainage system account for Scott/Le Sueur Judicial Ditch (JD) 1 and approve a drainage assessment and lien for the drainage system.
- 3. To take public comment related to the need for a redetermination of benefits on JD 1, JD 4 and Lateral 2 of JD 1 and to consider and adopt findings and an order initiating the redeterminations of benefits.
- 4. To take public comment related to the benefits of consolidating Lateral 2 of JD 1 with the remainder of JD 1 and to consider and adopt findings and a resolution of intent to consolidate the drainage systems.
- 5. To discuss the condition of the drainage systems and the need for possible repairs.

The meeting is open to the public. All persons with an interest in the above matters are invited to attend provide comment, as appropriate, to the matters under consideration.

Darrell Pettis, Le Sueur County Administrator Jim Hentges, Scott County Surveyor

[27539-0001/3257209/1]



Le Sueur County, MN

Thursday, January 31, 2019
Board Meeting

Item 2

Scott - Le Sueur JD1

Staff Contact:

EXPENSES: (195+ 5 yrs)

Rinker	Noonan	(Retain	er Drainage) Prof Serv.)
Houston	Engineeri	na (Sat	Hase Fee

Lien %

645010

405%

AMOUNT

$$\frac{316.45}{351.44}$$
 $\frac{351.44}{5,272.18}$
 $\frac{4}{30,993.60/yr}$
 $\frac{4}{30,993.60/yr}$
 $\frac{4}{30,993.60/yr}$
 $\frac{6,464.11}{2,431.63}$
 $\frac{385.00}{7,207.00}$
 $\frac{5}{1,207.00}$
 $\frac{6}{1,987.20}$

$$\frac{2}{3} \approx 394^{15}$$

Difference

Auditor's Tabular Assessment Statement For the Repair of Le Sueur-Scott County Ditch No. # ___1 in the County of _Le Sueur ___ Minnesota

*If the lien is for the Creation of a fund to be used for repairs in the future strike out (2). If the lien is for repairs already made strike out (1).

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Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	remitted by Scott County on 1/31/17), 5
					Acres	Acres	Dollars	Dollars	
Le Sueur County									
Harley & Connie Loewe Trusts									
Robert & Judith Loewe Trusts	W 1/2 of NW 1/4	1	112	25	76.44	52.50	26.25	\$ 169.31	12.001.1500
	E 1/2 of NW 1/4 less 7.17 ac & W 1/2 of W 1/2 of NE								
Larry Krentz etal	1/4	1	112	25	90.20	36.13	18.06	\$ 116.49	12.001.1100
	That part of E 1/2 of NW 1/4 beg 1801.38 ft E of NW cor of Sec 1, th E 40.10 ft, SE 1582.95 ft, E 201.88 ft, S 482 ft, W 517.52 ft, N 482 ft, E 275.54 ft, NW								
Cory R & Jessica J Hafemann	1582.95 ft to beg		112			2.87			
	E 1/2 of NE 1/4 less 10 ac in SE cor		112			61.00		'	
John A & Virginia Miller	10 ac of SE 1/4 of NE 1/4	2	112	25	10.00	1.00	0.50	\$ 10.00	12.002.2600
Randy J Oldenburg &		_		l					
	W 1/2 of NE 1/4 less 11.70 ac in NW 1/4 of NE 1/4		112			22.80			
Lynn J & Beverly L Wenisch	5.85 ac of NW 1/4 of NE 1/4	2	112	25	5.85	5.85	2.97	\$ 19.16	12.002.2800
Charles P Miller William D & Tammie Kessler	Beg 480.15 ft W of NE cor of NW 1/4 of NE 1/4, th W 480.15 ft, S 531 ft, E 480.15 ft, N 531 ft to beg E 1/2 of NW 1/4 less 8.17 ac		112			5.85 35.33			
William B & Familio Resolut	2 1/2 01 1111 1/1 1000 0.17 40	-	1		07.00	00.00	201.00	Ψ 1,000.10	12.002.0000
William D & Tammie Kessler	That part of E 1/2 of NW 1/4 beg 1092 ft S of N1/4 cor of Sec 2, th W 425 ft, S 325 ft, E 425 ft N 325 ft to beg That part of E 1/2 of NW 1/4 beg 1092 ft S & 425 ft W of N 1/4 cor of Sec 2, th W 105 ft, S 671.16 ft, E 530 ft,	2	112	25	3.17	3.17	26.44	\$ 170.54	12.002.0100
William D & Tammie Kessler	N 346.16 ft, W 425 ft, N 325 ft to beg	2	112	25	5.00	5.00	41.66	\$ 268.71	12.002.0150
Lillian Tiegs Estate	W 1/2 of NW 1/4		112						

Le Sueur County Board Meeting - 1/31/2019 Page 6 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filing Date: 12/16/19
					Acres	Acres	Dollars	Dollars	
Lillian Tiegs Estate	W 1/2 of E 1/2 of NW 1/4 of NE 1/4	3	112	25	10.00	9.00	232.50	\$ 1,499.63	12.003.2500
Carmen E Steuck	That part of SE 1/4 of NE 1/4 & of NE 1/4 of SE 1/4 beg at E 1/4 cor of Sec 3, th N 699.07 ft, W 402 ft, S 1083.58 ft, E 402 ft, N 384.51 ft to beg	3	112	25	10.00	6.72	71.97	\$ 464.21	12.003.2600
Woestehoff Family Farm Prop LLC	NE 1/4 of NE 1/4 & E 1/2 of NW 1/4 of NE 1/4 & NE 1/4 of SE 1/4 less 3.55 ac & SE 1/4 of NE 1/4 less 6.45							\$ 5,334.34	
c/o David J & Krista Woestehoff	ac		112			77.22			12.003.2700
Valerian P Miller	NE 1/4 of NW 1/4 & W 1/2 of NW 1/4 of NE 1/4	3	112	25	54.00	54.00	1980.00	\$ 12,771.00	12.003.0100
Woestehoff Family Farm Prop LLC c/o David J & Krista Woestehoff	SW 1/4 of NE 1/4 less 4.25 ac & NW 1/4 of SE 1/4 less 15.76 ac	3	112	25	59.99	40.99	238.21	\$ 1,536.45	12.003.2700
Duane W Maas Trust	That part of S 1/2 of NE 1/4 & of N 1/2 of SE 1/4 comm at E 1/4 cor of Sec 3, th S 401.01 ft, W 418.50 ft, N 412 ft, SW 1558.65 ft to pt of beg, th S 963.11 ft, W			0.5	00.04	00.04		\$ 750.07	
c/o Margaret E Maas Dale & Kathleen Kessler Trust	660ft, N 1320 ft, E 660 ft, S 356.89 ft to beg NW 1/4 of NW 1/4 less 5 ac & NE 1/4 of SW 1/4 & S 1/2of NW 1/4 less portion lying SE of JD #2		112			20.01 147.80	116.29 1029.86	¢ 664260	12.003.2800
Jeremy & Amy Fahey	That part of NW 1/4 of NW 1/4 beg 365 ft E of NW cor of Sec 3, th E 480 ft, S 453.75 ft, W 480 ft, N 453.75 ft to beg		112			5.00	34.84	\$ 224.72	12.003.0200
Dale & Kathleen Kessler Trust	That part of SW 1/4 of NW 1/4 lying S'ly of CL of ditch		112			3.20	22.30		12.003.5200
Dale & Kathleen Kessler Trust	That part of NW 1/4 of SW 1/4 lying NW of JD #2	3	112	25	3.60	3.60	9.50	\$ 61.28	12.003.0200
Dale & Kathleen Kessler Trust	NW 1/4 of SW 1/4 less that part of S 1455 ft of W 660 ft of W 1/2 of SW 1/4 lying in NW 1/4 of SW 1/4 & less that part lying NW of ditch	3	112	25	34.39	34.39	90.73	\$ 585.21	12.003.5200
Dale R & Colleen D Rohloff	The W 660 ft of N 477 ft of S 1455 ft of W 1/2 of SW 1/4	3	112	25	7.24	7.24	19.10	\$ 123.20	12.003.5050
Dale R & Colleen D Rohloff	That part of SW 1/4 of SW 1/4 beg at SW cor of Sec 3, th N 978 ft, E 660 ft, N 353.53 ft, E 655.40 ft, S 1328.37 ft, W 1312.41 ft to beg	3	112	25	34.77	25.70	67.81	\$ 437.37	12.003.5000

Le Sueur County Board Meeting - 1/31/2019 Page 7 / 56

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					Acres	Acres	Dollars	Dollars	
Woestehoff Family Farm Prop LLC									
c/o David J & Krista Woestehoff	SE 1/4 of SW 1/4	ړ	112	25	40.00	8.57	22.61	\$ 145.83	12.003.5300
Harley & Connie Loewe Trusts	3E 1/4 01 3W 1/4	3	112	25	40.00	6.57	22.01	ψ 145.05	12.003.3300
Robert & Judith Loewe Trusts	NW 1/4 less .02 ac	<u>ر</u> ا	112	25	153.18	118.00	1285.20	\$ 8,289.54	12.004.1000
Harley & Connie Loewe Trusts	That part of W 20 ac of S 1/2 of NE 1/4 lying W of JD	_	112	23	155.16	110.00	1205.20	Ψ 0,203.54	12.004.1000
Robert & Judith Loewe Trusts	#1	1 4	112	25	17.80	17.80	193.84	\$ 1,250.27	12.004.2700
Hobert & dealth Edewe Hadis			112	23	17.00	17.00	100.04	Ψ 1,200.27	12.004.2700
Richard E & Sherry A Krentz Trust	That part of SW 1/4 of NE 1/4 lying NE of JD #1	4	112	25	2.20	2.20	23.96	\$ 154.54	12.004.2800
James H & Janice A Latzke Trust	NE 1/4 of SW 1/4		112		40.00	17.50			
James H & Janice A Latzke Trust	S 1/2 of SW 1/4 less 7.41 ac		112			38.71			
	That part of SE 1/4 of SW 1/4 beg at S 1/4 cor of Sec,								
Ronald A Buchtel	th N 700 ft, W 200 ft, S 700 ft, E 200 ft to beg	4	112	25	3.21	3.21	2.82	\$ 18.18	12.004.7700
	That part of SE 1/4 of SW 1/4 beg 200 ft W & 700 ft N								
	of SE cor, th E 200 ft, N 500 ft, W 502 ft, SE 584.34 ft								
Michael P & Toby Pharr	to beg	4	112	25	4.20	4.08	3.58	\$ 23.09	12.004.7800
	That part of SE 1/4 lying S & E of Jud Ditch #2 less								
Joe & Mary Ellen Scanlan	5.51 ac & less W 610 ft lying SE of JD #2	4	112	25	70.00	70.00	634.20	\$ 4,090.59	12.004.5200
	Part of SE 1/4 lying S & E of Jud Ditch #2, beg 94 ft E								
	of SW cor of SE 1/4 of SE 1/4, th N 512 ft, E 465 ft, S								
Jake W & Nancy M Seth	512 ft, W 465 ft to beg	4	112	25	5.51	5.51	49.92	\$ 32.20	12.004.5000
	3.75 ac in SW cor of E 60 ac of S 1/2 of NE 1/4 lying								
	SW of Jud Ditch #2 & that part of SE 1/4 lying W of								
James H & Janice A Latzke Trust	Jud Ditch #2	4	112	25	59.49	57.74	522.51	\$ 3,370.19	12.004.7500
	Beg at NE cor of SE 1/4 th W 1647 ft to ditch, th S'1y								
	1075 ft th NE 1920 ft to pt 392 ft S of beg th N 392 ft to								
Richard E & Sherry A Krentz Trust	beg		112	25	28.00	28.00	1432.00	\$ 9,236.40	12.004.5100
	That part of NE 1/4 beg 540 ft W of NE cor of Sec 4, th								
Daniel L Krentz	W 662.94 ft, SW 899.03 ft, E 1001.82 ft, N 665.05 ft,								
	W 5 ft, S 78.53 ft, W 204.04 ft, N 213.53 ft, E 50 ft, N								
	78.98 ft to beg	4	112	25	16.98	16.98	156.91	\$ 1,012.07	12.004.2500
Dishard F.O. Ohare A.Keest, T.	N 1/2 of NE 1/4 less 17.98 ac & less that part of NW					400 ==	050.01		40.004.000
Richard E & Sherry A Krentz Trust	1/4 of NE 1/4 lying W of CL of JD #1	4	112	25	104.05	103.77	958.91	\$ 6,184.97	12.004.2800

Le Sueur County Board Meeting - 1/31/2019 Page 8 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	number of acres	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	remitted by Scott County on 1/31/17), 5
					Acres	Acres	Dollars	Dollars	
Harley & Connie Loewe Trusts									
Robert & Judith Loewe Trusts	That part of N 1/2 of NE 1/4 lying W of JD #1		112		7.50	7.50			12.004.2700
Ivan L & Doreen Lehnert Trusts	NE 1/4 of NE 1/4		112			15.50		•	12.005.5000
Francis Mark & Joan Skelly	NW 1/4 of SE 1/4 & NE 1/4 of SW 1/4		112			20.00			12.008.5000
Deward O & Violet A Savage	E 1/2 of NE 1/4 less 15.50 ac	8	112	25	64.50	53.00	256.50	\$ 1,654.42	12.008.2800
Woestehoff Family Farm Prop LLC c/o David J & Krista Woestehoff	N 54 ac of E 1/2 of SE 1/4	8	112	25	54.00	51.50	109.75	\$ 707.89	12.008.5300
Francis Mark & Joan Skelly	That part of S 815 ft of E 1/2 of SE 1/4 of Sec 8 & of S 815 ft of W 1/2 of SW 1/4 of Sec 9 lying N of TH #169	8	112	25	26.47	19.00	9.50	\$ 61.28	12.008.5200
	W 1/2 of NW 1/4 less 28.15 ac		112			28.49			12.008.0100
Terry a menega cermana Trace	That part of NW 1/4 of NW 1/4 beg at NE cor th SW	H			01.00	20.10	11.20	Ψ 01.01	12.000.0100
Joe & Mary Ellen Scanlan	668.37 ft, N 67 ft, E 665 ft to beg	8	112	25	0.51	0.51	0.25	\$ 10.00	12.008.0200
Janice R Reinhardt Trust		Ť	1		0.0.	0.0.	0.20	Ψ	:=:000:0=00
% Deb Schaefer	.50 ac of W 1/2 of NW 1/4	l 8	112	25	0.50	0.50	0.25	\$ 10.00	12.008.2710
Janice R Reinhardt Trust	W 1/2 of NW 1/4 of NE 1/4 & SW 1/4 of NE 1/4 & E	Ť	1		0.00	0.00	0.20	Ψ	
% Deb Schaefer	1/2 of NW 1/4	8	112	25	140.00	106.00	53.00	\$ 341.85	12.008.2710
Gregg & Louisa Voss	4.14 ac of S 1/2 of NW 1/4		112			4.14			12.009.7600
Beheirs LLC								•	
c/o Eleanor R Depuydt	2.86 ac of S 1/2 of NW 1/4	9	112	25	2.86	0.36	0.18	\$ 10.00	12.009.0200
	That part of W 1/2 of NW 1/4 beg 1323.17 ft W of N								
Lyle D Felmlee Trust & Judith Ann	1/4 cor of Sec 9, th S 2315.95 ft, W 561.41 ft, N								
Felmlee Trust	2193.16 ft, NE 139.47 ft, N 33 ft, E 524.47 ft to beg	9	112			31.40	75.99	\$ 490.14	12.009.0400
Gregg & Louisa Voss	13.05 ac of W 1/2 of W 1/2 of Sec 9	9	112	25	13.05	13.02	31.51	\$ 203.24	12.009.7600
Harley & Connie Loewe Trusts									
Robert & Judith Loewe Trusts	19.61 ac of W 1/2 of SW 1/4		112	25	19.61	5.58	13.50	\$ 87.08	12.009.7500
	Beg 75 ft E of W 1/4 cor of Sec 9, th N 710 ft, E 402.78								
	ft, S 423.48 ft, SW 94.86 ft, SW 129.64 ft, SW 77.53 ft,								
Thomas N Meger	SW 187.2 ft, W 67 ft to beg	9	112	25	5.11	5.11	14.90	\$ 96.11	12.009.7700
	That part of W 1/2 of SW 1/4 & W 1/2 of NW 1/4 lying							A 201 - 2	,,,,,,,
	W of TH #169 ROW less 5.11 ac		112			36.77			
State of MN DOT	TH #169	9	112	25	14.12	6.12	17.85	\$ 115.13	12.999.0090

Le Sueur County Board Meeting - 1/31/2019 Page 9 / 56

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Beheirs LLC	77.5 ac of E 1/2 of NW 1/4 & W 5 ac of NE 1/4 less		1	<u> </u>					
c/o Eleanor R Depuydt	23.07 ac & 2.7 ac of NE 1/4 of SW 1/4	و ا	112	25	62.13	54.03	126.32	\$ 814.76	12.009.0200
Mary Randi Gordon	That part of E 1/2 of NW 1/4 & of W 5 ac of NE 1/4 beg 101.70 ft W of N 1/4 cor of Sec 9, th SE 481 ft, S 368 ft, NW 681.10 ft, N 666.74 ft, E 459.95 ft to beg		112			13.97	32.68		12.009.0300
Beheirs LLC									
c/o Eleanor R Depuydt	N 41 ac of E 75 ac of W 1/2 of NE 1/4	9	112	25	41.00	31.50	39.75	\$ 256.39	12.009.2500
Le Sueur County Hwy Dept	Culvert, CR #118	9	112	25			400.06	\$ 2,580.39	12.999.7777
State of MN DOT	Hwy #169 Benefits	9	112	25			3222.50	\$ 20,785.13	12.999.0090
State of MN DOT	Hwy #169 Benefits	5	112	25			108.00	\$ 696.60	12.999.0090
State of MN DOT	Hwy #169 Benefits	4	112	25			1499.71	\$ 9,673.13	12.999.0090
Tyrone Township	Township Road	3	112	25			609.76	\$ 3,932.95	12.999.8888
State of MN DOT	State Highway #19	3	112				54.00		12.998.0005
State of MN DOT	State Highway #19	3	112	25			54.00	\$ 348.30	12.998.0005
State of MN DOT	State Highway #19		112				30.00	\$ 193.50	12.998.0005
State of MN DOT	State Highway #19	3	112				515.37	\$ 3,324.14	12.998.0005
State of MN DOT	State Highway #169		112				465.37		12.999.0090
State of MN DOT	State Highway #169		112				120.00	. ,	12.999.0090
State of MN DOT	State Highway #169		112				120.00	•	12.999.0090
State of MN DOT	State Highway #169		112				15.00		12.999.0090
State of MN DOT	State Highway #19		112				116.96	•	12.998.0005
State of MN DOT	State Highway #19		112				9.00		12.998.0005
Scott County									
MEIERBACHTOL JOHN &			1	†					
CATHERINE	Lot #2 less W 800 ft	27	113	25	16.50	5.00	\$ 227.18	\$ 920.08	29270080
KEUP FRED E	W 800 ft of Lot 2		113		27.50			\$ 3,312.17	29270081
	Beg 46 ft W of SE cor of W1/2 SW 1/4, th NW 1492 ft,		 	 -	27.00	10.00	Ţ 017.0 <u>L</u>	- /-	20270001
THOENNES JONATHAN C	NW 396, SE to S Ln, E 381.62		113	25	13.30	10.86	\$ 10.75	\$ 43.54	29270082
MEIERBACHTOL JOHN &	,,	-	 	<u> </u>	10.00	. 0.00	, , , , , , ,		20270002
CATHERINE	E 60 ac of W1/2 SW1/4, less 13.3 ac	27	113	25	46.70	38.14	\$ 37.75	\$ 152.89	29270080
BEHEIRS LLC	W 20 ac of SW1/4, less S 1540 ft		113			8.29		\$ 339.11	29270050
DENHOLM KELVIN B & JILL A	S1540 ft of W 20 ac of SW 1/4		113			11.71			29270051

Le Sueur County Board Meeting - 1/31/2019 Page 10 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19
					Acres	Acres	Dollars	Dollars	
KEUP FRED E	6 ac in Lot 4		113			1.00		\$ 10.00	29280010
BEHEIRS LLC	Lot 4 except N 60 Rods		113			49.00	,	\$ 8,385.53	29280020
BEHEIRS LLC	SE 1/4 of SE1/4 less 6.32 ac		113			33.68		\$ 4,610.44	29280020
DENHOLM KELVIN B & JILL A	1540 x 179 ft in SE1/4 of SE1/4	28	113	25	6.32	6.32	\$ 213.62	\$ 865.16	29280021
DOROTHY H WOESTEHOFF								¢ 10.00	
TESTAMENTARY TR	SE1/4 SW1/4, less W 10 ac of	28	113	25	30.00	4.00	\$ 2.00	\$ 10.00	29280081
DOROTHY H WOESTEHOFF								¢ 1,004,50	
TESTAMENTARY TR	E1/2 of Gov't Lot 3	28	113	25	17.30	16.00	\$ 490.00	\$ 1,984.50	29280070
DOROTHY H WOESTEHOFF								ф 1,004.E0	
TESTAMENTARY TR	W1/2 of Gov't Lot 3	28	113	25	17.30	16.00	\$ 490.00	\$ 1,984.50	29280081
DOROTHY H WOESTEHOFF								Φ 00.00	
TESTAMENTARY TR	E1/2 of SW1/4 of SE1/4	28	113	25	20.00	20.00	\$ 21.25	\$ 86.06	29280080
DOROTHY H WOESTEHOFF								Φ 00.00	
TESTAMENTARY TR	W1/2 of SW1/4 of SE1/4	28	113	25	20.00	20.00	\$ 21.25	\$ 86.06	29280080
WOESTEHOFF LIMITED								Φ 05.05	
PARTNERSHIP	Lot #2	28	113	25	28.04	10.00	\$ 21.00	\$ 85.05	29280090
STATE OF MINN DEPT OF								Φ 00.00	
TRANSP & TRANS	SE 1/4 of SE1/4, Right of Way Plat	32	113	25	18.00	11.00	\$ 5.50	\$ 22.28	0
STATE OF MINN DEPT OF								ф <u>10.00</u>	
TRANSP & TRANS	.76 ac of SW1/4 of SW1/4	33	113	25	0.76	0.76	\$ 0.38	\$ 10.00	29330030
BEHEIRS LLC	SE1/4 of NW1/4	33	113	25	40.00	1.00	\$ 0.50	\$ 10.00	29330050
BEHEIRS LLC	NE1/4 of NW1/4	33	113	25	40.00	1.00	\$ 0.50	\$ 10.00	29330050
ROBERT L LOEWE TRUST	NW1/4 of SW1/4	33	113	25	40.00	25.50	\$ 12.75	\$ 51.64	29330010
ROBERT L LOEWE TRUST	SW1/4 of SW1/4 less 2.96 ac	33	113	25	23.04	23.04	\$ 18.64	\$ 75.49	29330010
STATE OF MINN DEPT OF									
TRANSP & TRANS	14 Acres SW1/4 of SW1/4 Right of Way Plat	33	113	25	14.00	14.00			ROW Plat
STATE OF MINN DEPT OF								ф <u>10.00</u>	
TRANSP & TRANS	2.20 ac of SW1/4 of SW1/4 Right of Way Plat	33	113	25	2.20	2.20	\$ 0.98	\$ 10.00	0
	E30 ac of SE1/4 of SW1/4	33	113	25	30.00	30.00	\$ 15.00	\$ 60.75	29330020
ROBERT L LOEWE TRUST	W10 ac of SE1/4 of SW1/4		113			10.00	\$ 5.00	\$ 20.25	29330010
ROBERT L LOEWE TRUST	E30 ac of NE1/4 of SW1/4	33	113	25	30.00	30.00	\$ 99.00	\$ 400.95	29330020
ROBERT L LOEWE TRUST	W10 ac of NE1/4 of SW1/4		113			10.00	\$ 33.00	\$ 133.65	29330010
DOROTHY H WOESTEHOFF TESTAMENTARY TR	NW1/4 of NE1/4	33	113	25	40.00	22.00	\$ 11.00	\$ 44.55	29330040

Le Sueur County Board Meeting - 1/31/2019 Page 11 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filing Date: 12/16/19
					Acres	Acres	Dollars	Dollars	
DOROTHY H WOESTEHOFF								\$ 855.97	
TESTAMENTARY TR	SW1/4 of NE1/4	33	113	25	40.00	32.50	\$ 211.35	Ψ 000.07	29330040
DOROTHY H WOESTEHOFF								\$ 5,224.50	
TESTAMENTARY TR	NE1/4 of NE1/4	33	113	25	40.00	40.00	\$ 1,290.00	Ψ 5,224.50	29330040
DOROTHY H WOESTEHOFF								\$ 1,462.05	
TESTAMENTARY TR	SE1/4 of NE1/4		113			40.00	•		29330040
MERLIN J STIER TRUST	NW1/4 of SE1/4		113			40.00	•	\$ 3,422.25	29330060
MERLIN J STIER TRUST	SW1/4 of SE1/4, Ex 502 X 435		113			37.40	•	·	29330060
MERLIN J STIER TRUST	SW1/4 of SE1/4, N 260 of S 502 of E 235 of		113			1.30			29330061
MERLIN J STIER TRUST	SW1/4 of SE1/4, S 242 of E 235 of		113			1.30		\$ 49.09	29330062
MERLIN J STIER TRUST	NE1/4 of SE1/4		113			40.00		\$ 81.00	29330060
MERLIN J STIER TRUST	SE1/4 of SE1/4, Ex 502 X 435		113			37.60		\$ 167.51	29330060
MERLIN J STIER TRUST	SE1/4 of SE1/4, S 502 of W 200 of	33	113	25	2.40	2.40	\$ 2.64	\$ 10.69	29330061
BRUCE V AND HOA D CHEN								\$ 32.40	
REVOCABLE TRU	S1/2 of NW1/4 of NW1/4	34	113	25	20.00	16.00	\$ 8.00	φ 32.40	29340030
BRUCE V AND HOA D CHEN								\$ 16.20	
REVOCABLE TRU	SW1/4 of NW1/4,	34	113	25	10.00	8.00	\$ 4.00	φ 10.20	29340030
OTTO DALE J & LORI B & OTTO								\$ 60.75	
TRUST	SW1/4 of NW1/4,	34	113	25	30.00	30.00	\$ 15.00	φ 00.75	29340031
BRUCE V AND HOA D CHEN								\$ 10.00	
REVOCABLE TRU	SE1/4 of NW1/4, 50 ac parcel N	34	113	25	20.00	1.50	\$ 0.75	\$ 10.00	29340030
OTTO DALE J & LORI B & OTTO								\$ 20.25	
	SE1/4 of NW1/4, 40 ac parcel S Ex Latzke 1st Add	34	113	25		10.00	\$ 5.00	φ 20.25	29340031
MECREDY DAVID A & SUSAN	SE1/4 of NW1/4, Lot 1 B1 Latzke First Add	34	113			8.50	\$ 4.25	\$ 17.21	20100010
DUNGEY TROY M & MICHELE T	SW1/4 of NE1/4, Lot 2 B 2 Krentz Acres		113			1.00		\$ 58.08	20170023
CAMPBELL JAY M	SW1/4 of NE1/4, Lot 2 B 2 Krentz Acres	34	113			2.50	\$ 35.87	\$ 145.27	20170022
WHITE JOSEPH D	SW1/4 of NE1/4, Lot 3 B 2 Krentz Acres		113			2.50		\$ 145.27	20170040
RICHARD E KRENTZ TRUST	SW1/4 of NE1/4, Outlot A Krentz Acres	34	113	25	29.50	7.00	\$ 100.42	\$ 406.70	20170050
	SE1/4 of NE1/4, Outlot A Krentz Acres			25		2.00			20170050
RICHARD E KRENTZ TRUST	NE1/4 of SE1/4, Outlot A Krentz Acres			25		36.00	\$ 744.00	\$ 3,013.20	20170050
MILLER VALERIAN	NE1/4 of SW1/4, 25 ac			25		25.00	\$ 27.50	\$ 111.38	29340051
MILLER BILLY J	NE1/4 of SW1/4, 15 ac			25		15.00		\$ 66.83	
MILLER VALERIAN	SW1/4 of SW1/4	34	113	25	40.00	40.00	\$ 260.00	\$ 1,053.00	29340051
MILLER VALERIAN P	SE1/4 of SW1/4	34	113	25	40.00	40.00	\$ 132.00	\$ 534.60	29340071
MILLER VALERIAN P	SW1/4 of SE1/4	34	113	25	40.00	40.00	\$ 902.00	\$ 3,653.10	29340071

Le Sueur County Board Meeting - 1/31/2019 Page 12 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each trac of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch	parcels, 405% for Scott County parcels (different % to reflect a \$25,241.47 payment remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filing Date: 12/16/19
MILLED VALEDIANI D	054/4 (054/4) 0.5	0.4	440	0.5	Acres	Acres	Dollars	Dollars	
MILLER VALERIAN P	SE1/4 of SE1/4 less 6.5 ac	34	113	25	33.50	33.50	\$ 1,919.75	\$ 7,774.99	29340071
REDEEMER LUTHERAN CHURCH	6.5 ac in SE1/4 of SE1/4	34	113	25	6.50	0.00	\$ -		29340041
DNR MINNESOTA DEPT OF	N / 2 CANAL / 4 CANAL / 4 NA == 2 C							\$ 238.67	
	N 1/2 of NW1/4 of NW1/4, W 776 ft of	34	113	25	11.00	11.00	\$ 58.93	,	29340011
WOESTEHOFF FAMILY FARM								\$ 65.08	
	N 1/2 of NW1/4 of NW1/4, Outlot A Panning Acres	34	113	25	9.00	3.00	\$ 16.07	,	20230020
JANE BREEGGEMANN AND								\$ 10.00	
	NW1/4 of NW1/4	35	113	25	40.00	4.00	\$ 2.00	,	29350041
JANE BREEGGEMANN AND	OM4 /4 - C NIM4 /4			٥.	40.00	00.00	. 70.50	\$ 285.53	2025004
RANDY OLDENBURG	SW1/4 of NW1/4	35	113	25	40.00	29.00	\$ 70.50	·	29350041
JANE BREEGGEMANN AND	NIE 4/4 - CNINA/4/4				40.00	40.00		\$ 24.30	00050044
RANDY OLDENBURG	NE1/4 of NW1/4	35	113	25	40.00	12.00	\$ 6.00	,	29350041
JANE BREEGGEMANN AND	054/4 (1004/4 5					40.50	40.00	\$ 170.10	
RANDY OLDENBURG	SE1/4 of NW1/4, ex 5 ac	35	113	25	35.00	10.50	\$ 42.00	,	29350041
JANE BREEGGEMANN AND	054/4 (1004/4 5							\$ 72.90	
	SE1/4 of NW1/4, 5 ac		113			1.50		•	29350042
	NW1/4 of SW1/4, Outlot A Krentz Acres		113			40.00		\$ 1,733.40	20170050
RICHARD E KRENTZ TRUST	N1/2 of SW1/4 of SW1/4		113			20.00		\$ 1,391.18	29350060
	S1/2 of SW1/4 of SW1/4		113			20.00		\$ 1,391.18	
	NE1/4 of SW1/4		113			40.00		\$ 372.60	29350060
	N1/2 of SE1/4 of SW1/4		113			20.00		\$ 986.18	29350060
	S1/2 of SE1/4 of SW1/4		113			14.63		\$ 721.37	29350062
	S1/2 of SE1/4 of SW1/4, SE of Ditch	35	113	25	5.37	5.37	\$ 65.38	\$ 264.79	29350061
JEANNETTE L MILLER								\$ 10.13	
REVOCABLE TRUST	S1/2 of NW1/4 of NE1/4	35	113	25	20.00	5.00	\$ 2.50	Ψσ	29350020
JEANNETTE L MILLER								\$ 44.55	
	SW1/4 of NE1/4	35	113	25	40.00	22.00	\$ 11.00	Ψ 11.00	29350020
JEANNETTE L MILLER								\$ 488.03	
REVOCABLE TRUST	SE1/4 of NE1/4		113			17.00			29350020
	NW1/4 of SE1/4, N 1000 ft of SE1/4	35	113	25	30.00	30.00	\$ 75.00	\$ 303.75	29350052
	NW1/4 of SE1/4, S of N 1000 ft and N of Ditch in							\$ 101.25	
BRAUN ROBERT C & BETTY J	SE1/4	35	113	25	10.00	10.00	\$ 25.00	Ψ 101.20	29350053
	SW1/4 of SE1/4, S of N 1000 ft and N of Ditch in							\$ 1,802.25	
BRAUN ROBERT C & BETTY J	SE1/4	I 35	113	25	25.00	25.00	\$ 445.00	1,002.20	29350053

Le Sueur County Board Meeting - 1/31/2019 Page 13 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	parcels, 405% for Scott County parcels (different % to reflect a \$25,241.47 payment remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filling Date: 12/16/19
					Acres	Acres	Dollars	Dollars	
	SW1/4 of SE1/4, 11ac S of Ditch in SE1/4		113			11.00			29350059
	SW1/4 of SE1/4, 4 ac S of Ditch in SE1/4		113			4.00			29350063
BRAUN BRIAN W & CYNTHIA J	NE1/4 of SE1/4, N 1000 ft of SE1/4	35	113	25	30.00	30.00	\$ 894.00	\$ 3,620.70	29350052
BRAUN ROBERT C & BETTY J	NE1/4 of SE1/4, S of N 1000 ft and N of Ditch in SE1/4	35	113	25	10.00	10.00	\$ 298.00	\$ 1,206.90	29350053
	SE1/4 of SE1/4, S of N 1000 ft and N of Ditch in SE1/4		113			15.00	\$ 408.00	\$ 1,652.40	29350053
	SE1/4 of SE1/4, S of Ditch in SE1/4	35	113	25	25.00	25.00	\$ 680.00	\$ 2,754.00	29350063
BUESGENS SHANE W & BONITA	5.07 ac of SE1/4 of NW1/4	36	113	25	5.07	0.00	\$ -		19360141
JEANNETTE L MILLER								\$ 623.70	
	N1/2 of NW1/4 of SW1/4		113			20.00		-	19360280
	S1/2 of NW1/4 of SW1/4		113			20.00	,	\$ 4,131.00	19360150
	SW1/4 of SW1/4, Ex 5ac		113			35.00		' '	19360150
	SW1/4 of SW1/4, 5ac		113			5.00			19360151
	NE1/4 of SW1/4		113			38.00			19360150
NAGEL GERALD H	SE1/4 of SW1/4	36	113	25	40.00	24.00	\$ 12.00	\$ 48.60	19360150
MAHONEY JAMES S & CAROL A	W1/2 of NW1/4 of SE1/4, W1/2 NW NW SE of	36	113	25	5.00	3.50	\$ 11.41	\$ 46.21	19360230
MAHONEY JAMES S & CAROL A	W1/2 of NW1/4 of SE1/4, Ex W1/2 NW NW SE	36	113	25	15.00	11.00	\$ 35.84	\$ 145.15	19360231
MAHONEY JAMES S & CAROL A	N 440 ft of NE1/4 of SE1/4	36	113			1.50	\$ 0.75	\$ 10.00	19360240
	S 220 ft of N 660 ft of NE1/4 of SE1/4	36	113			1.67	\$ -		19360260
	N 220 ft of S 660 ft of NE1/4 of SE1/4		113			1.35		\$ 10.00	19360270
	S 440 ft of NE1/4 of SE1/4, 10 ac W side of		113			0.25		\$ 10.00	19360250
KISOR EUGENE & DONA L	S 440 ft of NE1/4 of SE1/4, 10 ac E side of	36	113	25	10.00	0.25	\$ 0.13	\$ 10.00	19360251
MAHONEY JAMES S & CAROL A	N 440 ft of E1/2 of NW1/4 of SE1/4	36	113	25	6.67	0.75	\$ 0.38	\$ 10.00	19360240
	S220 ft of N660 ft of E1/2 of NW1/4 of SE1/4		113			0.00			19360260
	N 220 ft of S 660 ft of E1/2 of NW1/4 of SE1/4		113			1.67			19360270
								\$ 10.00	
BRENNHOFER MARK F & TINA M			113			0.40		-	19360200
	County Road #53		113			0.00		' '	0
Scott County Hwy Dept	County Road #53	35	113	l 25	0.00	0.00	\$ 90.00	\$ 364.50	0

Le Sueur County Board Meeting - 1/31/2019 Page 14 / 56

Corporate Roads and Railroads that	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	2019 Lien: 645% for Le Sueur County parcels, 405% for Scott County parcels (different % to reflect a \$25,241.47 payment remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filing Date: 12/16/19
					Acres	Acres	Dollars	Dollars	
Blakeley Township	Township Road	33	113	25	0.00	0.00	\$ 347.46	\$ 1,407.21	0
Blakeley Township	Township Road	33	113	25	0.00	0.00	\$ 135.00	\$ 546.75	0
MILLER VALERIAN	NW1/4 of SE1/4 & NW1/4 of SW1/4	34	113	25	80.00	80.00	\$ 1,678.00	\$ 6,795.90	29340051
JEANNETTE L MILLER REVOCABLE TRUST	SW1/4 of NW1/4 and SE1/4 of NW1/4 less 5.07 ac	36	113	25		39.00	\$ 179.50 \$ 42.047.22	\$ 726.96	19360290

Total: \$ 43,047.32 \$ 220,786.95



Le Sueur County, MN

Thursday, January 31, 2019
Board Meeting

Item 3

Le Sueur - Scott JD4

Staff Contact:

LSC $\frac{140\%}{84965}$ $\frac{140\%}{118,951\%}$ $\frac{2}{3} \approx (100.09)$ SC 10,176 116% $\frac{11,804.16}{3}$

*This is to reflect a # 2,26203 remitted by scott Co. on 1/31/17

Auditor's Tabular Assessment Statement *(1) For the Creation of a Fund to be used for the Repair of *(2) For the Repair of Le Sueur-Scott Joint County Ditch No.4 in the County of Le Sueur Minnesota

*If the lien is for the Creation of a fund to be used for repairs in the future strike out (2). If the lien is for repairs already made strike out (1).

of all Public Roads, Corporate Roads and	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	ξį	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	and rail-road was	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	2019 Lien: 140% for Le Sueur County parce 116% for Scott County parcels (different % reflect a \$2,263.03 payment remitted by Sco County on 1/31/17), 5 years, 4% interest, \$1 minimum Board Date: 1/31/19 Filing Date: 12/16/19
Le Sueur County					Acres	Acres	Dollars	Dollars	
•	W 25 ac of NW 1/4 of NW 1/4	5	112	24	25.00	17.00	1190.00	\$ 1,666.00	03.005.0100
Thomas W Adamek Trust & Mary Adamek Trust	E 15 ac of NW 1/4 of NW 1/4 & NE 1/4 of NW 1/4	5	112	24	55.00	46.00	3361.00	\$ 4,705.40	03.005.0200
Fogarty Farm LLC % Kevin Fogarty	E 1/2 of SW 1/4 less 8.75 ac & SE 1/4 of NW 1/4	5	112	24	111.25	78.80	2625.62	\$ 3,675,87	03.005.7500
Kevin & Mary Jo Fogarty	8.75 ac of E 1/2 of SW 1/4	5	112	-				,	03.005.7600
Fogarty Farm LLC % Kevin Fogarty	SW 1/4 of NW 1/4 & W 1/2 of SW 1/4 less 6.25 ac	5	112						03.005.0400
Christian & Michelle Stay	5 ac of W 1/2 of SW 1/4	5	112	24	5.00	3.63	175.40		03.005.0300
Kevin & Mary Jo Fogarty	1.25 ac of W 1/2 of SW 1./4	5	112	24	1.25	0.90		\$ 61.11	03.005.7600
Joseph P & Jean Murphy	W 1/2 of W 1/2 of NW 1/4	6	112	24	40.00	36.00	2450.00	\$ 3,430.00	03.006.0100
LeRoy J & Patricia Schwartz Living Trust	E 1/2 of W 1/2 of NW 1/4	6	112	24	40.00	32.00	2256.00	\$ 3,158.40	03.006.0200
LeRoy & Patricia Schwartz Living Trust	E 1/2 of NW 1/4	6	112	24	80.00	71.00	4103.00	\$ 5,744.20	03.006.0200
	Beg 672.25 ft E of N 1/4 cor, th S 701.24 ft, th E 542.32 ft to centerline of 243rd Ave, th SW'ly along said line 2148 ft +/- to S line of NE 1/4, th W 334.55 ft, th N 2616.12 ft to beg	6	112	24	40.28	40.28	2574.08	\$ 3,603.71	03.006.2510
Woestehoff Family Farm LLC	Comm at N 1/4 cor, th E 672.25 ft, th S 701.24 ft, th E 542.32 ft to centerline of 243rd Ave, said point being the point of beg, th SW'ly along said centerline 2148 +/- to S line of NE 1/4, th E 2312.72 ft, th N1891.82 ft, th W 1443.47 ft to beg	6	112	24	86.45	43.72	2793.92	\$ 3,911.49	03.006.2520
Charles J & Marie T Retka Trust	N 1/2 of SE 1/4	6	112	_		32.00	2602.00		03.006.5000
Charles J & Marie T Retka Trust	N 1/2 of S 1/2 of SE 1/4 less 2.76 ac & S 20 ac of E 30 ac of N 120 ac of SW 1/4	6	112	24	57.24	30.08	1713.59	\$ 2,399.03	03.006.5500
Daniel J Sullivan	1.76 ac of N 1/2 of S 1/2 of SE 1/4	6	112	24	1.76	0.92	52.41	\$ 73.37	03.006.5100
Charles J & Marie T Retka Trust	W 3/4 of N 120 ac of SW 1/4 & NE 1/4 of NE 1/4							I,177.60	03.006.7500
Antelia Fogarty Trust	S 1/2 of S 1/2 of SE 1/4 less 3.21 ac & S 40 ac of SW 1/4	Воақ	Meg	ting ₄	1/31/20/19/9	31.68	1895.04	\$ 2,653.06	03.006.5300 Page ²

of all Public Roads, Corporate Roads and	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	tion	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	and rail-road was benefitted by the	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	2019 Lien: 140% for Le Sueur County parce 116% for Scott County parcels (different % 1 reflect a \$2,263.03 payment remitted by Sco County on 1/31/17), 5 years, 4% interest, \$1 minimum Board Date: 1/31/19 Filing Date: 12/16/19
Dennis C & Jeanne Baumann	3.21 ac of S 1/2 of S 1/2 of SE 1/4		110	2 24	Acres 3.21	Acres 1.32	Dollars 78.96	Dollars	03.006.5400
		-	112	-					
Curtis & Barbara Koepp	W 1/2 of NW 1/4 less 4 ac	/	112			34.20			
Wade M & Mandy Lsimonette	4 ac of W 1/2 of NW 1/4	/	112	1		1.80			03.007.75
Curtis & Barbara Koepp	E 1/2 of NW 1/4 less 11.5 ac in SW cor	/	112	_		41.00			03.007.01
Curtis & Barbara Koepp	SW 1/4 of NE 1/4	/	112	1 -		18.00			03.007.28
Amelia Fogarty Trust	N 1/2 of NE 1/4 less .87 ac That part of NW 1/4 of NE 1/4 beg 724.15 ft E of N 1/4 cor Sec 7, th S 75 ft, E 516.78 ft, NW to N line	7	112						03.007.25
Dennis C & Jeanne Baumann	of NE 1/4, th W to beg	/	112			0.87			03.007.26
Luke Retka	SE 1/4 of NE 1/4	/	112	24	40.00	22.00	1494.00	\$ 2,091.60	03.007.27
Eugene & Emil Meger Jr	W 1/2 of NW 1/4 less 630 x 210 ft in SW cor & NE 1/4 of NW 1/4	۱۵	112	24	117.00	29.00	2026.00	\$ 2,836.40	03.008.01
Joseph P & Jean Murphy	E 117.75 ac of NE 1/4 less 2.50 ac	1	112	_		115.25			12.001.35
Joseph F & Jean Murphy	S 273.42 ft of E 398.45 ft of SE 1/4 of NE 1/4 less		112	23	113.23	113.20	1363.00	φ 2,219.04	12.001.33
Wayne J Averbeck	S 200 ft of E 326 ft	1	112	25	1.00	1.00	13.76	\$ 19.26	12.001.36
Wayne J Averbeck	That part of SE 1/4 of NE 1/4 beg at E 1/4 cor of sec 1, th W 326 ft, N 200 ft, E 326 ft, S 200 ft to beg That part of SE 1/4 lying S of N R/W of LS-Scott	1	112			1.50			12.001.36
Lyle F & Harriet Wagner Trust	Joint Ditch #4	1	112	25	88.42	88.42	1829.19	\$ 2,560.87	12.001.60
Lyle F & Harriet Wagner	That part of SE 1/4 lying N of LS-Scott Joint Ditch #4	1	112	25	71.58	71.58	1480.81	\$ 2,073.13	12.001.61
Larry Krentz et al	E 1/2 of NW 1/4 less 7.17 ac & W 1/4 of NE 1/4 & N 1/2 of SE 1/4 of SW 1/4	1	112	2 25	132.83	132.83	3683.19	\$ 5,156.47	12.001.11
Cory R & Jessica J Hafemann	That part of E 1/2 of NW 1/4 beg 1801.38 ft E of NW cor of Sec 1, th E 40.10 ft, SE 1582.95 ft, E 201.88 ft, S 482 ft, W 517.52 ft, N 482 ft, E 275.54 ft, NW 1582.95 ft to beg	1	112	2 25	7.17	7.17	198.81	\$ 278.33	12.001.10
Charles J & Marie T Retka Trust	S 1/2 of SE 1/4 of SW 1/4	1	112	25	20.00	20.00	1158.00	\$ 1,621.20	12.001.85
Harley & Connie Loewe Trusts & Robert & Judith Loewe Trusts	W 1/2 of SW 1/4 & SW 1/4 of NW 1/4	1	112			39.00			12.001.15
Alden E & Mary Hardwick	E 1/2 of SE 1/4	2	112	25	80.00	36.00	2565.00	\$ 3,591.00	12.002.50
Randy Oldenburg & Jane Breggeman Trust	SW 1/4 of NE 1/4 & W 1/2 of SE 1/4 less 1.91ac That part of NW 1/4 of SE 1/4 beg 1708.81 ft N & 1817.72 ft W of SE cor of Sec 2, th W 253 ft N 328	2	112	2 25	118.09	50.09	2616.24	\$ 3,662.74	12.002.27
Randy Oldenburg & Jane Breggeman Trust	·	1	_	1	ı		1	139.66	12.002.30
William D & Tammie Kessler unty Lillian Tiegs Estate	SE 1/4 of NW 1/4 less 5.4 ac & E 1/2 of SW 1/4	Boar	1,1,12	25	1/31/201460	42.00	2772.00	\$ 3,880.80	12,002.03 Page 12.002.02
Lillian Tiege Fetate	NW 1/4 of SW 1/4	2001	112		40.00		186.00	\$ 260.40	12 002 02

Names of the Owners of all Lands and the Names of all Public Roads, Corporate Roads and Railroads that are Assessed for the Repair of said Ditch.	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	and rail-road was benefitted by the	Amount that each tract of land and each public road, corp-orate road and rail-road is liable for and must pay for the repair of such ditch.	2019 Lien: 140% for Le Sueur County pard 116% for Scott County parcels (different 9 reflect a \$2,263.03 payment remitted by S County on 1/31/17), 5 years, 4% interest, minimum Board Date: 1/31/19 Filing Date: 12/16/19
					Acres	Acres	Dollars	Dollars	1
Joseph & Mary Scanlan	SW 1/4 of SW 1/4 less 5 ac in NW cor	2	112	25	35.00	35.00	864.50	\$ 1,210.30	12.002.7
Daniel & Rachel Shepherd	W 389 ft of N 560 ft of SW 1/4 of SW 1/4	2	112	25	5.00	5.00	123.50	\$ 172.90	12.002.7
Richard G & Patricia Laabs	N 100 ac of NE 1/4	11	112	25	100.00	31.00	1124.00	\$ 1,573.60	12.011.:
Lyle W Laabs	S 60 ac of NE 1/4	11	112	25	60.00	20.00	384.00	\$ 537.60	12.011.:
Lyle W Laabs	W 50 ac of N 1/2 of SE 1/4	11	112	25	50.00	10.00	242.00	\$ 338.80	12.011.2
Myra A Nagel & Gloria J Brandt	E 100 ac of NW 1/4	11	112	25	100.00	48.00	2442.00	\$ 3,418.80	12.011.
Lois A Hafemann	That part of SW 1/4 Beg 465 ft N of S 1/4 cor of Sec 11, th N 2159.71 ft, W 1495.72 ft, S 2625.95 ft, E 1283.48 ft, N 465.28 ft, E 237.08 ft to beg	11	112	25	87.99	87.65	3972.49	\$ 5,561.49	12.011.8
James J Legg & Mary Dvorak	That part of SE 1/4 of SW 1/4 beg at S 1/4 cor of sec, th W to C.L. of JD #4, th N'ly along C.L. to pt, th E to pt on N & S C.L. of sec, th S 465 ft to beg	11	112	25	2.35	2.35	106.51	\$ 149.11	12.011.
Charles J & Marie T Retka Trust	E 1/2 of NW 1/4 less 5.45 ac	12	112	25	74.75	30.00	1417.00	\$ 1,983.80	12.012.
	Beg at SW cor of E 1/2 of NW 1/4, th E 719 ft, N								
Louis A Geronime	330 ft, W 719 ft, S 330 ft to beg	12							12.012
Charles J & Marie T Retka Trust	W 1/2 of NW 1/4	12	-						12.012
Valerian P & Barbara Miller	E 1/2 of NE 1/4	12		_					12.012
Valerian P & Barbara Miller	W 1/2 of NE 1/4	12							12.012
Charles J & Marie T Retka Trust	NE 1/4 of SE 1/4	12				2.00			12.012
Le Sueur County Hwy Dept	CR #118	11					2100.00		12.999
Le Sueur County Hwy Dept	CR #119	2	1112	_			1320.00		12.999
Le Sueur County Hwy Dept	CSAH #11	6	112	_			1280.00		
Town of Derrynane Town of Derrynane	Road Benefits in NE 1/4 Road Benefits in S 1/2 of NE 1/4	7		_			430.00		03.999
Town of Derrynane	Noad beriefits iff S 1/2 of NE 1/4	/	112	24			60.00	\$ 84.00	03.999
State of MN DOT	TH 19		112	24			500.00	\$ 700.00	12.998.0005 (random parcel assign
State of MN DOT	TH 19		112	_			200.00		12.998.0005 (rando parcel assign
Scott County									
MURPHY TIMOTHY J & LISA L	NIW1/4 of CW1/4	01	110	0.4	40.50	10.00	¢ 670.00	ф 770 F0	10010
	NW1/4 of SW1/4 SW1/4 of SW1/4	-	113	-				· ·	
MURPHY JOHN E & MARY A	SW 1/4 OT SW 1/4		113	24					
MONITH JOHN L & MAIN A								440.72	
MURPHY JOHN E & MARY A O'BRIEN KENNETH F & JUDY C	SE1/4 01 SW1/4	ਨ। Board	Mex	ting 7	40.00 1/31/2019 0				the state of the s
O DUICIN VEININE I U L & JOUY C	SW1/4 of SE1/4	ال ا	1113	24	1/31/440.00	5.00	\$ 368.00	\$ 426.88	193 M

Names of the Owners of all Lands and the Names of all Public Roads, Corporate Roads and Railroads that are Assessed for the Repair of said Ditch.	Description of each Parcel of Land to be Assessed for the Repair of said Ditch as it Appears from Original Lien Statement for Construction of said Ditch.	Section	Township	Range	Number of acres in each tract according toassesment rolls and tax list.	Estimated number of acres benefited.	Amount that each tract of land and each public road, corp-orate road and rail-road was benefitted by the construction of said ditch.	of lai road and and	ount that each tract nd and each public , corp-orate road rail-road is liable for must pay for the ir of such ditch.	2019 Lien: 140% for Le Sueur County parcels, 116% for Scott County parcels (different % to reflect a \$2,263.03 payment remitted by Scott County on 1/31/17), 5 years, 4% interest, \$10 minimum Board Date: 1/31/19 Filing Date: 12/16/19
	OF1/4 of OF1/4 W17 F oo	01	110	04	Acres	Acres	Dollars	Φ.	Dollars	10010040
O'BRIEN KENNETH F & JUDY C	SE1/4 of SE1/4 W17.5 ac		113					-	74.24	
NEISEN ELIZABETH	SE1/4 of SE1/4 E22.5 ac	31	113		22.50			<u> </u>	199.52	
NEISEN ELIZABETH	SW1/4 of SW1/4	32	113	24	40.00	24.00	\$ 654.00	\$	758.64	19320010
NEISEN ELIZABETH	SE1/4 of SW1/4	32	113	24	37.00	29.00	\$ 2,004.87	\$	2,325.65	19320010
SCHOKNECHT GERALD L & MARY & S	SE1/4 of SW1/4	32	113	24	3.00	1.00	\$ 69.13	\$	80.19	19320020
IPARINERSHIP	NVV 1/4 OT SVV 1/4	32	113	24	40.00	4.00	\$ 164.00	\$	190.24	19320030
ALLISON HOFFMAN FAMILY LIMITED PARTNERSHIP	NE1/4 of SW1/4	32	113	24	40.00	4.00	\$ 296.00	\$	343.36	19320030
MURPHY JOSEPH & JEAN MARIE	SE1/4 of SE1/4	36	113	25	40.00	8.00	\$ 80.00	\$	92.80	19360180
MINNESOTA STATE HIGHWAY 19	St Hwy #19					0.00		_	812.00	Road
						Totals	95141.00	\$	130,759.56	

FEASIBILITY STUDY FOR:

JOINT COUNTY DITCH 4: LE SUEUR & SCOTT COUNTIES, MINNESOTA

REPORT FOR: Le Sueur County Drainage Authority 181 W. Minnesota St. Le Center, MN 56057 507.357.4879 FROM: Chuck Brandel, PE Principal + Senior Civil Engineer ISG 115 E. Hickory Street, Suite 300 Mankato, MN 56001 507.387.6651 chuck.brandel@is-grp.com



ARCHITECTURE + ENGINEERING + ENVIRONMENTAL + PLANNING



TABLE OF CONTENTS

Project Scope	1
Watershed	1
History	1
	2
Existing Conditions	1
Proposed Conditions	4
Multi-Purpose Drainage Management	4
	_
Cost/Separable Maintenance	5
Recommendation	-



Project Scope

At your request, I+S Group (ISG) completed a preliminary review of Le Sueur and Scott County Joint County Ditch No. 4 (JCD 4). The scope included an examination of the existing JCD 4, as well as recommendations for repairing and improving the existing open ditch and tile system. Maps of the JCD 4 watershed and existing public open ditch and tile system is shown on the attached exhibits and is referenced herein.

It should be noted that some general assumptions were made during this analysis and minimal survey information was gathered. ISG received the original watershed maps, showing the tile locations and sizes from Le Sueur County for the JCD 4 system. Additional information may or may not modify our findings, but it is not anticipated that a significant change to our recommendation would result. If you or any land owners have tile maps or any other information that can aid us in future work, please feel free to share this information with us. A future survey will be necessary to verify these assumptions.

Watershed

Le Sueur and Scott County Joint County Ditch No. 4 open ditch lies in Tyrone and Derrynane Township of Le Sueur County, Minnesota. The mainline open ditch drains from the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 6 of Darrynane Township and flows southwest where it outlets into Forest Prairie Creek in the SE $\frac{1}{4}$ fo the SW $\frac{1}{4}$ of Section 11 of Tyrone Township.

The JCD 4 watershed consists primarily of gently rolling agricultural land which provides drainage to approximately 3,467 total acres. The watershed includes land from Sections 31 and 32 of Belle Plaine Township and Section 36 of Blakeley Township of Scott County as well as Sections 5, 6, 7 and 8 of Darrynane Township and Sections 1, 2, 11 and 12 of Tyrone Township of Le Sueur County. County Ditch No. 70 of Le Sueur County provides drainage to approximately 1,657 acres which drains into the JCD 4 system through Branch H open ditch in the NE ¼ of the NW ¼ of Section 11 of Tyrone Township. Elevations within the entire watershed range from approximately 905 to 1027 Mean Sea Level (MSL) according to county LIDAR data.

The hydrologic soil classification for the land in the JCD 4 watershed is predominantly type "C/D," which is considered as a dual hydrological soil group. This means that this soil has the potential to be adequately drained. The "D" in this group corresponds to the soil having over 40 percent clay and restricted water movement. The "C" is named the drained condition. That means if adequately drained, the soil would have moderately high runoff potential when thoroughly wet.

History

Le Sueur and Scott County Joint County Ditch No. 4 was originally constructed in 1958 with minor repairs completed throughout the years and no known improvements. The original construction consisted of approximately 24,620 linear feet of open ditch as well as approximately 30,105 linear feet of buried tile. There are approximately nine culvert crossings throughout the entire length of the mainline open ditch.

Existing Conditions

The open ditch channel contains a typical trapezoidal channel designed to convey both surface and subsurface tile water throughout the watershed. Based on the original profiles, the open ditch slopes range from 0.04% to 0.49%. In most areas, existing tile outlets from both public branches and private tiles outlet near the bottom of the ditch. During rain events, the open ditch fills with water, covering the tile outlets and creates forced outlets. In some cases during larger rain events, the water depth in the channel is high enough to restrict the flow of the tiles and cause water to back up into the adjacent fields.

Drainage Capacity

The information in this document has been prepared with the original JCD 4 alignment map. A close representation of the JCD 4 watershed was created using this information in conjunction with LiDAR contours, Minnesota DNR Watershed lines, aerial photographs and USGS Stream-Stats.

Le Sueur & Scott County Joint County Ditch No. 4 – Feasibility Study

Page 1



The capacity of agricultural tile is expressed as a drainage coefficient, in inches per day (in/day), and is defined as the depth of water over the entire area of the upstream watershed that a tile can drain in a 24-hour period. For a system like JCD 4, the Natural Resources Conservation Service (NRCS) recommends a drainage coefficient of 0.50 to 0.75 in/day for buried tile and 1.0 in/day for open ditches. See Table 1 below for open ditch summary and Table 2 below for the existing tile inventory breakdown.

Table 1: Existing Open Ditch Drainage Capacities

Crossing #	Location	Existing Type	Existing Material	Existing Size (in)	Existing Rise x Span (in)	Existing Slope (%)	Drainage Area (Acres)	Existing Drainage Coefficient (in/day)
1	Main - Field Crossing	ARCH CULVERT	СМР	-	63 x 87	1.25%	5123	1.34
2	Main - TWP 118	ARCH CULVERT	CMP	-	63 x 87	2.06%	4947	1.79
3	Main - Field Crossing	ROUND CULVERT	CMP	60	-	1.00%	3051	1.06
4	Main - Field Crossing	ROUND CULVERT	CMP	60	-	1.83%	2754	1.59
5	Main - TWP 119	ROUND CULVERT	RCP	54	-	0.30%	2454	1.05
6	Main - Field Crossing	ROUND CULVERT	CMP	54	-	0.42%	2407	0.65
7	Main - Field Crossing	ROUND CULVERT	СМР	54	-	0.83%	1929	1.16
8	Main - Field Crossing	ROUND CULVERT	СМР	54	-	0.56%	1528	1.19
9	Main - CSAH 11	ROUND CULVERT	RCP	54	-	0.31%	1486	1.77
10	Main - Field Crossing	ROUND CULVERT	CMP	42	-	2.50%	482	4.10



Table 2: Existing Tile Drainage Capacity

Area	Existing Size (in)	Existing Slope (%)	Drainage Area (Acres)	Existing Drainage Coefficient (in/day)
	18	0.22%	460.0	0.26
Main	18	0.20%	441.2	0.25
Fidin	18	0.17%	409.7	0.25
	10	0.20%	103.1	0.23
Branch A	8	0.30%	13.9	1.14
Branch A	6	0.90%	9.5	1.34
Branch B	10	0.40%	229.4	0.14
Branch B	10	0.20%	228.6	0.10
Branch C	8	0.10%	75.6	0.12
Branch C	6	0.40%	65.4	0.13
	18	0.12%	402.8	0.22
Branch D	18	0.08%	286.7	0.25
	12	0.50%	275.4	0.22
Branch D-1	8	0.10%	27.5	0.33
Branch E	8	0.10%	44.7	0.20
Dranen E	6	0.10%	43.9	0.10
Branch F	10	0.10%	202.1	0.08
	16	0.06%	209.8	0.21
	14	0.08%	207.3	0.17
Branch L	14	0.06%	187.3	0.17
Dianeir E	12	0.06%	178.6	0.12
	8	0.06%	100.9	0.07
	6	0.06%	96.1	0.03
	18	0.30%	468.3	0.29
	16	0.30%	468.2	0.21
Branch J	14	0.30%	289.5	0.24
	10	0.10%	75.2	0.22
	6	0.40%	25.2	0.34
	12	0.30%	138.1	0.34
	10	1.10%	130.7	0.42
Branch J-1	14	0.10%	129.3	0.31
	12	0.15%	114.5	0.29
	8	0.10%	96.4	0.09
Branch J-2	6	0.20%	10.7	0.56
Branch J-3	6	0.75%	18.2	0.64
Branch J-4	10	0.10%	3.3	5.04
Branch J-5	10	0.10%	130.8	0.13
	14	0.10%	254.7	0.16
Branch K	12	0.10%	226.8	0.12
	10	0.10%	201.8	0.08
	8	0.10%	200.1	0.05

The majority of the existing crossings of JCD 4 are above the NRCS recommended drainage coefficient values while majority of the existing tiles are below the recommended drainage coefficient.

Le Sueur & Scott County Joint County Ditch No. 4 – Feasibility Study

Page 3



Proposed Conditions

It is recommended that eventually the entire system should be repaired or improved. The repaired tile would be installed following the existing tile alignments matching the existing tile slopes and elevations. Options to improve the existing system were considered along with the costs for repairing the system. All improvement options are sized to achieve at least a drainage coefficient of 0.50 in/day for underground tiles and 1.0 in/day for open ditch crossings.

Repair Option 1

It is proposed in repair option 1 to clean the entire mainline open ditch, repair any of the culvert crossings within the open ditch that are below the NRCS recommended drainage coefficient and repair the mainline buried tile. The repair will consist of cleansing approximately 2,025 feet of 18-foot bottom open ditch, 1,300 feet of 8-foot bottom open ditch, 2,700 feet of 6-foot bottom open ditch and 20,375 feet of 4-foot bottom open ditch as well as 3,156 feet of 18-inch tile and 1,624 feet of 10-inch tile. The repair will also consist of replacing culvert crossing #6 with a 54-inch RCP culvert.

Repair Option 2

It is proposed in repair option 2 to clean the entire mainline open ditch, repair any of the culvert crossings within the open ditch that are below the NRCS recommended drainage coefficient and repair the mainline buried tile. The repair will consist of cleansing approximately 2,025 feet of 18-foot bottom open ditch, 1,300 feet of 8-foot bottom open ditch, 2,700 feet of 6-foot bottom open ditch and 20,875 feet of 4-foot bottom open ditch as well as 8,156 feet of 18-inch tile, 5,550 feet of 15-inch tile, 3,550 feet of 12-inch tile, 5,699 feet of 10-inch tile, 2,625 feet of 8-inch tile and 2,146 feet of 6-inch tile. The repair will also consist of replacing culvert crossing #6 with a 54-inch RCP culvert.

Improvement Option 1

It is proposed in improvement option 1 clean the entire mainline open ditch, repair any of the culvert crossings within the open ditch that are below the NRCS recommended drainage coefficient and repair the mainline buried tile. The repair will consist of cleansing approximately 2,025 feet of 18-foot bottom open ditch, 1,300 feet of 8-foot bottom open ditch, 2,700 feet of 6-foot bottom open ditch and 20,375 feet of 4-foot bottom open ditch as well as 3,156 feet of 24-inch tile and 1,624 feet of 18-inch tile. The improvement will also consist of replacing culvert crossing #6 with a 54-inch RCP culvert.

Improvement Option 2

It is proposed in improvement option 2 to clean the entire mainline open ditch, repair any of the culvert crossings within the open ditch that are below the NRCS recommended drainage coefficient and repair the mainline buried tile. The repair will consist of cleansing approximately 2,025 feet of 18-foot bottom open ditch, 1,300 feet of 8-foot bottom open ditch, 2,700 feet of 6-foot bottom open ditch and 20,875 feet of 4-foot bottom open ditch as well as 15,956 feet of 24-inch tile, 3,527 feet of 18-inch tile, 4,874 feet of 15-inch tile, 2,175 feet of 12-inch tile and 1,490 feet of 10-inch tile. The improvement will also consist of replacing culvert crossing #6 with a 54-inch RCP culvert.

These options are summarized on *the Improvement Maps* attached with this report. The repair option and improvement option described above are a sample size of what can be done to repair or improve this system. Any and all branches can be added or removed as another option to best suit the landowners involved.

Multi-Purpose Drainage Management

Multi-purpose drainage management incorporates Best Management Practices (BMPs) which utilize effective measures aimed at reducing sediment and nutrient loading, and improving water quality. These BMPs are divided into three areas: preventative measures, control measures, and treatment measures. Preventative measures that can be applied throughout the watershed include crop rotation, cover crops, residue management, and nutrient management. These measures are aimed at controlling sediment,

Le Sueur & Scott County Joint County Ditch No. 4 – Feasibility Study

Page 4



minimizing erosion and nutrient loss, and sustaining the soils health, all without dramatically changing the current land use of the landscape.

Control measures are practices aimed at improving water quality directly associated with the flow of water by reducing peak flows, providing in stream storage, sedimentation, and nutrient uptake. Examples of control measures include alternative intake structures, grassed waterways, two stage ditches, water control structures, and controlled subsurface drainage. These practices are directly linked to the conveyance of subsurface tile water or open channel ditch flow.

The function of treatment measures is to improve water quality by directly removing sediment and nutrients from the subsurface or surface water flow throughout a watershed. Examples of treatment measures include surge basins (storage ponds), filter/buffer strips, wetland restorations, woodchip bioreactors, and water and sediment control basins (WASCOBs). These practices may be incorporated to either the public or private drainage systems.

Conservative drainage practices, such as controlled drainage systems, provide an option for improving the water quality and reduce peak flow rates within a drainage system. Through utilization of control structures, these systems are designed to allow agricultural producers to regulate water levels in their fields. The water level in the ground can be lowered during planting and harvest seasons and allowed to rise during the growing season. Water and nutrients stored in the soil during the growing season can then be used by the crops during drier periods, potentially increasing yields.

Cost/Separable Maintenance

When a separable portion of a larger system is in need of repair, the drainage statute, M.S.103E.215, subd. 6, allows the separation of the cost of repair from the cost of improvement of the project. The condition of the existing system should be investigated further to discern the eligibility for separable maintenance costs. If it is determined that the system is in disrepair, separable maintenance costs can be applied to the project including the difference in costs associated between pipe/ditch replacement and pipe/ditch improvement. Separable maintenance for this system includes standard open ditch cleaning, rip rap outlet protection on all tile outlets, seeding (buffer and sideslopes), and standard tile installation.

A cost estimate was prepared for the above outline options for improvement to the system, as summarized in Table 3. The cost estimate summary includes the separable maintenance, improvement cost, and net benefit for each option.



Table 3: Cost Estimate Summary

PROPOSED OPTION #1 IMPROVEMENT COST SUMMARY

Area		Separable Maintenance	Improvement Cost			Net Cost			
Main Open Ditch	\$	215,435	\$	217,139	\$	1,704			
Main Tile	\$	175,725	\$	215,195	\$	39,470			
Subtotal without Road Crossings	\$	\$ 391,160 \$ 432,334		\$	41,174				
Road Authority Cost	\$	17,127	\$	17,127	\$	-			
Damages Paid To Road Authority	\$	3,065	\$	4,365	\$	1,300			
Total	\$	411,352	\$	453,826	\$	42,474			
		Sul	btotal	Landowner Costs	\$	436,699			
				Net Costs	\$	25,346			
	Redetermination of Benefits Costs								
	r Strip Acqusition)	\$	121,946						
		Total Project Co	sts f	or Landowners	\$	579,444			

PROPOSED OPTION #2 IMPROVEMENT COST SUMMARY

Area		Separable Maintenance	Imp	rovement Cost		Net Cost			
Main Open Ditch	\$	215,435	\$	217,139	\$	1,704			
Main Tile	\$	175,725	\$	216,911	\$	41,186			
Branch B Tile	\$	16,415	\$	22,621	\$	6,206			
Branch C Tile	\$	23,533	\$	31,055	\$	7,522			
Branch D Tile	\$	69,299	\$	87,515	\$	18,216			
Branch E Tile	\$	24,325	\$	26,041	\$	1,716			
Branch F Tile	\$	11,273	\$	13,649	\$	2,376			
Branch H Open Ditch	\$	38,565	\$	62,325	\$	23,760			
Branch L Tile	\$	137,266	\$	195,478	\$	58,212			
Branch J Tile	\$	295,526	\$	353,870	\$	58,344			
Branch J-1 Tile	\$	82,410	\$	91,520	\$	9,110			
Branch J-5 Tile	\$	10,089	\$	13,653	\$	3,564			
Branch K Tile	\$	74,106	\$	88,175	\$	14,069			
Potential Storage - 4.25 AC	\$	-	\$	75,578	\$	75,578			
Subtotal without Road Crossings	\$	1,173,967	\$	1,495,530	\$	321,563			
Road Authority Cost	\$	60,664	\$	60,664	\$	-			
Damages Paid To Road Authority	\$	11,049	\$	23,729	\$	12,680			
Total	\$	1,245,680	\$	1,579,923	\$	334,243			
	\$	1,519,258							
	\$	273,578							
	\$	20,799							
	Permanent Damages (Buffer Strip Acqusition)								
		Total Project Co	sts f	or Landowners	\$	1,662,003			



Recommendation

Currently, the existing tile system has a lower capacity than what is recommended by the NRCS. Upgrading the tile system would increase the capacity of the system to a drainage coefficient over 0.50 in/day for buried tile and 1.0 in/day for open ditch crossings. The system is approximately 60-years old, which is half the life expectancy for ditch systems like JCD 4. These improvements would be a public benefit and contribute to the public welfare of this area.

This scenario assumes that the project is completed publically through Le Sueur County and utilizing Minnesota Statute 103E. If the project was completed privately, some of the administration costs could be saved, but would require 100% agreement with everyone in the watershed that is affected.

At this point we would recommend keeping the project as a public project as only 26% of the affected landowners would need to sign the petition to move forward. We would appreciate the opportunity to discuss this in greater detail and to potentially meet with a group of landowners to discuss. Please contact us with guestions or comments.

Sincerely,

Chuck Brandel, PE

Civil Engineer/Principal

lels T. Bold

Enclosures

LE SUEUR & SCOTT COUNTY JOINT COUNTY DITCH No. 4



PROPOSED OPTION #1 IMPROVEMENT COST SUMMARY

Area	Separable Maintenance	lm	provement Cost	Net Cost
Main Open Ditch	\$ 215,435	\$	217,139	\$ 1,704
Main Tile	\$ 175,725	\$	215,195	\$ 39,470
Subtotal without Road Crossings	\$ 391,160	\$	432,334	\$ 41,174
Road Authority Cost	\$ 17,127	\$	17,127	\$ -
Damages Paid To Road Authority	\$ 3,065	\$	4,365	\$ 1,300
Total	\$ 411,352	\$	453,826	\$ 42,474
	Subto	tal	Landowner Costs	\$ 436,699
			Net Costs	\$ 25,346
	\$ 20,799			
Perr	\$ 121,946			
	\$ 579,444			

LE SUEUR & SCOTT COUNTY JOINT COUNTY DITCH No. 4



PROPOSED OPTION #2 IMPROVEMENT COST SUMMARY

Area	Separable Maintenance	lm	provement Cost	Net Cost
Main Open Ditch	\$ 215,435	\$	217,139	\$ 1,704
Main Tile	\$ 175,725	\$	216,911	\$ 41,186
Branch B Tile	\$ 16,415	\$	22,621	\$ 6,206
Branch C Tile	\$ 23,533	\$	31,055	\$ 7,522
Branch D Tile	\$ 69,299	\$	87,515	\$ 18,216
Branch E Tile	\$ 24,325	\$	26,041	\$ 1,716
Branch F Tile	\$ 11,273	\$	13,649	\$ 2,376
Branch H Open Ditch	\$ 38,565	\$	62,325	\$ 23,760
Branch L Tile	\$ 137,266	\$	195,478	\$ 58,212
Branch J Tile	\$ 295,526	\$	353,870	\$ 58,344
Branch J-1 Tile	\$ 82,410	\$	91,520	\$ 9,110
Branch J-5 Tile	\$ 10,089	\$	13,653	\$ 3,564
Branch K Tile	\$ 74,106	\$	88,175	\$ 14,069
Potential Storage - 4.25 AC	\$ -	\$	75,578	\$ 75,578
Subtotal without Road Crossings	\$ 1,173,967	\$	1,495,530	\$ 321,563
Road Authority Cost	\$ 60,664	\$	60,664	\$ -
Damages Paid To Road Authority	\$ 11,049	\$	23,729	\$ 12,680
Total	\$ 1,245,680	\$	1,579,923	\$ 334,243
	\$ 1,519,258			
	\$ 273,578			
	\$ 20,799			
Perr	\$ 121,946			
	Total Project Cos	ts	for Landowners	\$ 1,662,003



SEPARABLE MAINTANENCE (REPAIR)

Main Open Ditch

Item No.	Item	Unit	Quantity	U	Init Price		Amount		
101	MOBILIZATION	LS	1	\$	6,830.00	\$	6,830		
102	DITCH CLEANING (18' WIDE DITCH BOTTOM)	LF	2,025	\$	4.50	\$	9,113		
103	DITCH CLEANING (8' WIDE DITCH BOTTOM)	LF	1,300	\$	2.75	\$	3,575		
104	DITCH CLEANING (6' WIDE DITCH BOTTOM)	LF	2,700	\$	2.25	\$	6,075		
105	DITCH CLEANING (4' WIDE DITCH BOTTOM)	LF	20,375	\$	2.00	\$	40,750		
106	18-INCH TILE OUTLET (20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	3	\$	860.00	\$	2,580		
107	15-INCH TILE OUTLET (20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	1	\$	752.00	\$	752		
108	10-INCH TILE OUTLET (20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	2	\$	680.00	\$	1,360		
109	8-INCH TILE OUTLET (20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	3	\$	635.00	\$	1,905		
110	16.5' BUFFER STRIP SEEDING (SEED MIX: BUFFER BLEND WITH TYPE 3 MULCH)	AC	20.00	\$	1,165	\$	23,300		
111	SIDESLOPE SEEDING (SEED MIX: BUFFER BLEND WITH BFM)	AC	12.12	\$	3,353	\$	40,642		
112	BUFFER STRIP MOWING	AC	20.00	\$	85	\$	1,700		
113	WEED SPRAYING	AC	32.12	\$	150	\$	4,818		
					Total	\$	143,400		
			•	10%	Unforeseen	\$	14,340		
					Subtotal		157,740		
	TEMPORARY DAMAGES	AC	20.0	\$	650	\$	13,000 3,155		
County Administration Costs									
	Topographic Survey								
Reports, Plans and Specifications									
Construction Staking & Administration									
		Total M	ain Open Dit	ch R	Repair Cost	\$	215,435		

Main Tile

Item No.	ltem	Unit	Quantity	U	nit Price		Amount		
101	MOBILIZATION	LS	1	\$	5,950.00	\$	5,950		
102	TILE INVESTIGATION	HR	10	\$	106.50	\$	1,065		
103	18-INCH AGRICULTURAL TILE	LF	3156	\$	24.60	\$	77,638		
104	10-INCH AGRICULTURAL TILE	LF	1624	\$	16.00	\$	25,984		
105	CONNECT EXISTING 18-INCH TILE	EA	1	\$	871.50	\$	872		
106	INSTALL DROP INTAKE (18-INCH)	EA	5	\$	1,085	\$	5,425		
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	20	\$	400	\$	8,000		
					Total	\$	125,000		
			•	10%	Unforeseen	\$	12,500		
					Subtotal	\$	137,500		
	TEMPORARY DAMAGES	AC	16.5	\$	650	\$	10,725		
			County Adm	inistr	ation Costs	\$	2,750		
Topographic Survey									
Reports, Plans and Specifications									
Construction Staking & Administration									
			Total Main T	ile R	epair Cost	\$	175,725		



SEPARABLE MAINTANENCE (REPAIR)

Branch B Tile

Item No.	ltem	Unit	Quantity	Ur	nit Price		Amount
101	MOBILIZATION	LS	1	\$	550.00	\$	550
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213
103	10-INCH AGRICULTURAL TILE	LF	525	\$	16.00	\$	8,400
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	3	\$	400	\$	1,200
Total							11,500
			1	10% L	Jnforeseen	\$	1,150
					Subtotal	\$	12,650
	TEMPORARY DAMAGES	AC	1.9	\$	650	\$	1,235
County Administration Costs							253
Topographic Survey							506
Reports, Plans and Specifications							759
Construction Staking & Administration							1,012
		Tota	I Branch B T	ile Re	epair Cost	\$	16,415

Branch C Tile

Itam Na	Itam	l lmi4	Quantity	Ho	it Dries		Amount	
Item No.	Item	Unit	Quantity	Un	it Price		Amount	
101	MOBILIZATION	LS	1	\$	780.00	\$	780	
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213	
103	8-INCH AGRICULTURAL TILE	LF	700	\$	14.60	\$	10,220	
104	6-INCH AGRICULTURAL TILE	LF	200	\$	12.00	\$	2,400	
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	4	\$	400	\$	1,600	
	Total							
			•	10% U	Inforeseen	\$	1,630	
					Subtotal	\$	17,930	
	TEMPORARY DAMAGES	AC	3.1	\$	650	\$	2,015	
	County Administration Costs							
Topographic Survey							718	
Reports, Plans and Specifications							1,076	
Construction Staking & Administration								
		Tota	I Branch C T	ile Re	pair Cost	\$	23,533	



SEPARABLE MAINTANENCE (REPAIR)

Branch D Tile

Branch & The							
Item No.	ltem	Unit	Quantity	l	Jnit Price		Amount
101	MOBILIZATION	LS	1	\$	2,340.00	\$	2,340
102	TILE INVESTIGATION	HR	4	\$	106.50	\$	426
103	18-INCH AGRICULTURAL TILE	LF	900	\$	24.60	\$	22,140
104	12-INCH AGRICULTURAL TILE	LF	1100	\$	16.75	\$	18,425
105	CONNECT EXISTING 8-INCH TILE	EA	1	\$	315.50	\$	316
106	INSTALL DROP INTAKE (18-INCH)	EA	2	\$	1,085	\$	2,170
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	8	\$	400	\$	3,200
					Total	\$	49,100
				10%	Unforeseen	\$	4,910
					Subtotal	\$	54,010
	TEMPORARY DAMAGES	AC	6.9	\$	650	\$	4,485
County Administration Costs							
Topographic Survey							2,161
Reports, Plans and Specifications							3,241
Construction Staking & Administration							4,321
		Tota	I Branch D T	ile F	Repair Cost	\$	69,299

Branch D-1 Tile

Dianch D-1 The								
Item No.	ltem	Unit	Quantity	U	Init Price		Amount	
101	MOBILIZATION	LS	1	\$	810.00	\$	810	
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213	
103	8-INCH AGRICULTURAL TILE	LF	900	\$	14.60	\$	13,140	
104	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
105	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	4	\$	400	\$	1,600	
	Total							
			•	10% l	Unforeseen	\$	1,690	
					Subtotal	\$	18,590	
	TEMPORARY DAMAGES	AC	3.1	\$	650	\$	2,015	
County Administration Costs							372	
Topographic Survey							744	
Reports, Plans and Specifications							1,116	
Construction Staking & Administration							1,488	
		Total I	Branch D-1 T	ïle R	epair Cost	\$	24,325	

Branch E Tile

Item No.	Item	Unit	Quantity	U	nit Price		Amount	
101	MOBILIZATION	LS	1	\$	370.00	\$	370	
102	TILE INVESTIGATION	HR	1	\$	106.50	\$	107	
103	8-INCH AGRICULTURAL TILE	LF	100	\$	14.60	\$	1,460	
104	6-INCH AGRICULTURAL TILE	LF	325	\$	12.00	\$	3,900	
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$	400	\$	800	
	Total							
			,	10% l	Unforeseen	\$	780	
					Subtotal	\$	8,580	
	TEMPORARY DAMAGES	AC	1.5	\$	650	\$	975	
County Administration Costs							172	
Topographic Survey							344	
Reports, Plans and Specifications							515	
Construction Staking & Administration							687	
		Tota	I Branch E T	ile R	epair Cost	\$	11,273	



SEPARABLE MAINTANENCE (REPAIR)

Branch F Tile

Item No.	Item	Unit	Quantity	Unit Price		Amount	
101	MOBILIZATION	LS	1	\$ 1,290.00	\$	1,290	
102	TILE INVESTIGATION	HR	3	\$ 106.50	\$	320	
103	10-INCH AGRICULTURAL TILE	LF	1300	\$ 16.00	\$	20,800	
105	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085	\$	2,170	
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	6	\$ 400	\$	2,400	
Total							
			1	10% Unforeseen	\$	2,700	
				Subtotal	\$	29,700	
	TEMPORARY DAMAGES	AC	4.5	\$ 650	\$	2,925	
County Administration Costs							
Topographic Survey							
Reports, Plans and Specifications							
Construction Staking & Administration							
		Tota	l Branch F T	ile Repair Cost	\$	38,565	

Branch H Open Ditch

Item No.	Item	Unit	Quantity	U	nit Price		Amount
101	MOBILIZATION	LS	1	\$	120.00	\$	120
102	DITCH CLEANING (4' WIDE DITCH BOTTOM)	LF	500	\$	2.00	\$	1,000
103	16.5' BUFFER STRIP SEEDING	AC	0.38	\$	1,165	\$	441
103	(SEED MIX: BUFFER BLEND WITH TYPE 3 MULCH)	7.0	0.50	Ψ	1,100	¥	
104	SIDESLOPE SEEDING	AC	0.23	\$	\$ 3,353	\$	770
	(SEED MIX: BUFFER BLEND WITH BFM)				ŕ	*	
105	BUFFER STRIP MOWING	AC	0.38	\$	85	\$	32
106	WEED SPRAYING	AC	0.61	\$	150	\$	91
					Total	\$	2,454
				10% l	Unforeseen	\$	245
					Subtotal	\$	2,700
	TEMPORARY DAMAGES	AC	0.4	\$	650	\$	260
County Administration Costs							
Topographic Survey							
Reports, Plans and Specifications							162
Construction Staking & Administration							216
	T	otal Branci	h H Open Dit	ch R	epair Cost	\$	3,419

Branch L Tile

Item No.	ltem	Unit	Quantity	U	Init Price		Amount
101	MOBILIZATION	LS	1	\$	4,610.00	\$	4,610
102	TILE INVESTIGATION	HR	7	\$	106.50	\$	746
103	18-INCH AGRICULTURAL TILE	LF	500	\$	24.60	\$	12,300
104	15-INCH AGRICULTURAL TILE	LF	1700	\$	21.00	\$	35,700
105	12-INCH AGRICULTURAL TILE	LF	1100	\$	16.75	\$	18,425
106	8-INCH AGRICULTURAL TILE	LF	200	\$	14.60	\$	2,920
107	6-INCH AGRICULTURAL TILE	LF	781	\$	12.00	\$	9,372
108	INSTALL DROP INTAKE (18-INCH)	EA	5	\$	1,085	\$	5,425
109	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	18	\$	400	\$	7,200
					Total	\$	96,700
			1	10%	Unforeseen	\$	9,670
					Subtotal	\$	106,370
	TEMPORARY DAMAGES	AC	14.8	\$	650	\$	9,620
County Administration Costs							
Topographic Survey							
Reports, Plans and Specifications							
Construction Staking & Administration							
		Tota	I Branch L T	ile R	Repair Cost	\$	137,266



SEPARABLE MAINTANENCE (REPAIR) Branch J Tile

Item No.	Item	Unit	Quantity	l	Init Price		Amount		
101	MOBILIZATION	LS	1	\$	9,990.00	\$	9,990		
102	TILE INVESTIGATION	HR	15	\$	106.50	\$	1,598		
103	18-INCH AGRICULTURAL TILE	LF	3600	\$	24.60	\$	88,560		
104	15-INCH AGRICULTURAL TILE	LF	2350	\$	21.00	\$	49,350		
105	10-INCH AGRICULTURAL TILE	LF	1550	\$	16.00	\$	24,800		
106	6-INCH AGRICULTURAL TILE	LF	840	\$	12.00	\$	10,080		
107	CONNECT EXISTING 12-INCH TILE	EA	1	\$	494.50	\$	495		
108	CONNECT EXISTING 10-INCH TILE	EA	2	\$	447.50	\$	895		
109	CONNECT EXISTING 6-INCH TILE	EA	2	\$	281.00	\$	562		
110	INSTALL DROP INTAKE (18-INCH)	EA	9	\$	1,085	\$	9,765		
111	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	34	\$	400	\$	13,600		
					Total	\$	209,700		
			,	10%	Unforeseen	\$	20,970		
					Subtotal	\$	230,670		
	TEMPORARY DAMAGES	AC	28.8	\$	650	\$	18,720		
			County Adm				4,614		
Topographic Survey									
Reports, Plans and Specifications									
Construction Staking & Administration									
		Tota	al Branch J T	ile F	Repair Cost	\$	295,526		

Branch J-1 Tile

Bidion 6 1 The									
Item No.	ltem	Unit	Quantity	U	Init Price		Amount		
101	MOBILIZATION	LS	1	\$	2,760.00	\$	2,760		
102	TILE INVESTIGATION	HR	3	\$	106.50	\$	320		
102	15-INCH AGRICULTURAL TILE	LF	900	\$	21.00	\$	18,900		
103	12-INCH AGRICULTURAL TILE	LF	1000	\$	16.75	\$	16,750		
104	10-INCH AGRICULTURAL TILE	LF	400	\$	16.00	\$	6,400		
105	8-INCH AGRICULTURAL TILE	LF	350	\$	14.60	\$	5,110		
106	INSTALL DROP INTAKE (18-INCH)	EA	3	\$	1,085	\$	3,255		
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	11	\$	400	\$	4,400		
					Total	\$	57,900		
			1	10%	Unforeseen	\$	5,790		
					Subtotal	\$	63,690		
	TEMPORARY DAMAGES	AC	9.2	\$	650	\$	5,980		
			County Adm	inistı	ration Costs	\$	1,274		
Topographic Survey									
Reports, Plans and Specifications									
Construction Staking & Administration									
		Total	Branch J-1 T	ile R	Repair Cost	\$	82,410		



SEPARABLE MAINTANENCE (REPAIR) Branch J-5 Tile

Item No.	Item	Unit	Quantity	U	nit Price		Amount	
101	MOBILIZATION	LS	1	\$	340.00	\$	340	
102	TILE INVESTIGATION	HR	1	\$	106.50	\$	107	
103	10-INCH AGRICULTURAL TILE	LF	296	\$	16.00	\$	4,736	
104	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
105	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$	400	\$	800	
Total								
			1	10%	Unforeseen	\$	710	
					Subtotal	\$	7,810	
	TEMPORARY DAMAGES	AC	1.1	\$	650	\$	715	
			County Adm	inistr	ation Costs	\$	157	
					ohic Survey		313	
Reports, Plans and Specifications								
Construction Staking & Administration								
		Total	Branch J-5 T	ile R	epair Cost	\$	10,089	

Branch K Tile

Item No.	Item	Unit	Quantity	l	Init Price		Amount	
101	MOBILIZATION	LS	1	\$	2,490.00	\$	2,490	
102	TILE INVESTIGATION	HR	3	\$	106.50	\$	320	
103	15-INCH AGRICULTURAL TILE	LF	900	\$	21.00	\$	18,900	
104	12-INCH AGRICULTURAL TILE	LF	1000	\$	16.75	\$	16,750	
105	10-INCH AGRICULTURAL TILE	LF	400	\$	16.00	\$	6,400	
106	INSTALL DROP INTAKE (18-INCH)	EA	3	\$	1,085	\$	3,255	
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	10	\$	400	\$	4,000	
					Total	\$	52,200	
			1	10%	Unforeseen	\$	5,220	
					Subtotal	\$	57,420	
	TEMPORARY DAMAGES	AC	8.0	\$	650	\$	5,200	
		-	County Adm	inist	ration Costs	\$	1,149	
					phic Survey		2,297 3,446	
Reports, Plans and Specifications								
Construction Staking & Administration								
		Tota	l Branch K T	ile F	Repair Cost	\$	74,106	

TOTAL REPAIR COST

Main Open Ditch	\$ 215,435
Main Tile	\$ 175,725
Branch B Tile	\$ 16,415
Branch C Tile	\$ 23,533
Branch D Tile	\$ 69,299
Branch E Tile	\$ 24,325
Branch F Tile	\$ 11,273
Branch H Open Ditch	\$ 38,565
Branch L Tile	\$ 137,266
Branch J Tile	\$ 295,526
Branch J-1 Tile	\$ 82,410
Branch J-5 Tile	\$ 10,089
Branch K Tile	\$ 74,106



PROPOSED OPTION #1 IMPROVEMENT

Main Open Ditch

Item No.	Item	Unit	Quantity	J	Jnit Price			
101	MOBILIZATION	LS	1	\$	6,900.00	\$	6,900	
102	DITCH CLEANING (18' WIDE DITCH BOTTOM)	LF	2,025	\$	4.50	\$	9,113	
103	DITCH CLEANING (8' WIDE DITCH BOTTOM)	LF	1,300	\$	2.75	\$	3,575	
104	DITCH CLEANING (6' WIDE DITCH BOTTOM)	LF	2,700	\$	2.25	\$	6,075	
105	DITCH CLEANING (4' WIDE DITCH BOTTOM)	LF	20,375	\$	2.00	\$	40,750	
106	24-INCH TILE OUTLET	EA	1	\$	1,265.00	\$	1,265	
-	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC) 18-INCH TILE OUTLET	1						
107	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	3	\$	860.00	\$	2,580	
108	15-INCH TILE OUTLET	ΕA	1	\$	752.00	\$	752	
100	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	Į.	Ф	752.00	Ą	752	
109	10-INCH TILE OUTLET	EA	2	\$	680.00	\$	1,360	
	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC) 8-INCH TILE OUTLET			Ė		Ľ.	,	
110	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	EA	3	\$	635.00	\$	1,905	
111	16.5' BUFFER STRIP SEEDING	AC	20.00	\$	1,165	\$	23,300	
111	(SEED MIX: BUFFER BLEND WITH TYPE 3 MULCH)	AC	20.00	Ф	1,100	Ф	23,300	
112	SIDESLOPE SEEDING	AC	12.12	\$	3,353	\$	40,642	
440	(SEED MIX: BUFFER BLEND WITH BFM)	40	00.00		<i>'</i>	_	· ·	
113	BUFFER STRIP MOWING	AC	20.00	\$	85	\$	1,700	
114	WEED SPRAYING	AC	32.12	\$	150	\$	4,818	
				100/	Total		144,735	
				10%	Unforeseen	-	14,474	
	TT-10-00-10-10-10-00-0				Subtotal		159,209	
	TEMPORARY DAMAGES	AC	20.0	\$		\$	13,000	
					tration Costs		3,185 19,455	
Topographic Survey								
			orts, Plans ar				9,553	
			ction Staking				12,737 217,139	
Total Main Open Ditch Improvement Cost								

Main Tile

Item No.	ltem	Unit	Quantity	U	Jnit Price		Amount	
101	MOBILIZATION	LS	1	\$	7,380.00	\$	7,380	
102	TILE INVESTIGATION	HR	10	\$	106.50	\$	1,065	
103	24-INCH AGRICULTURAL TILE	LF	3156	\$	29.20	\$	92,155	
104	18-INCH AGRICULTURAL TILE	LF	1624	\$	24.60	\$	39,950	
105	CONNECT EXISTING 18-INCH TILE	EA	1	\$	871.50	\$	872	
106	INSTALL DROP INTAKE (18-INCH)	EA	5	\$	1,085	\$	5,425	
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	20	\$	400	\$	8,000	
					Total	\$	154,900	
				10%	Unforeseen	\$	15,490	
					Subtotal	\$	170,390	
	TEMPORARY DAMAGES	AC	16.5	\$	650	\$	10,725	
			County Adm	ninist	tration Costs	\$	3,408	
			Top	ogra	aphic Survey	\$	6,816	
Reports, Plans and Specifications								
Construction Staking & Administration								
		Total	Main Tile Imp	orov	ement Cost	\$	215,195	

TOTAL IMPROVEMENT COST

TOTAL INIT ROYLING TOTAL	
Main Open Ditch \$	217,139
Main Tile \$	215,195
COMPLETE IMPROVEMENT COST \$	432,334



PROPOSED OPTION #2 IMPROVEMENT

Main Open Ditch

Item No.	Item	Unit	Quantity	l	Jnit Price		Amount		
101	MOBILIZATION	LS	1	\$	6,900.00	\$	6,900		
102	DITCH CLEANING (18' WIDE DITCH BOTTOM)	LF	2,025	\$	4.50	\$	9,113		
103	DITCH CLEANING (8' WIDE DITCH BOTTOM)	LF	1,300	\$	2.75	\$	3,575		
104	DITCH CLEANING (6' WIDE DITCH BOTTOM)	LF	2,700	\$	2.25	\$	6,075		
105	DITCH CLEANING (4' WIDE DITCH BOTTOM)	LF	20,375	\$	2.00	\$	40,750		
106	24-INCH TILE OUTLET	EA	1	\$	1,265.00	\$	1,265		
100	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)	LA	'	Ψ	1,200.00	Ψ	1,200		
107	18-INCH TILE OUTLET	EA	3	\$	860.00	\$	2,580		
.07	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)					Ψ.	2,000		
108	15-INCH TILE OUTLET	EA	1	\$	752.00	\$	752		
	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)			Ľ		Ť			
109	10-INCH TILE OUTLET	EA	2	\$	680.00	680.00	\$	1,360	
	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC)			Ŀ		Ŀ	,		
110	8-INCH TILE OUTLET	EA	EA 3	3	\$	635.00	\$	1,905	
	(20 LF OF PIPE & RIPRAP ON GEOTEXTILE FABRIC) 16.5' BUFFER STRIP SEEDING			-					
111		AC	AC	AC 20.00	20.00	\$	1,165	\$	23,300
	(SEED MIX: BUFFER BLEND WITH TYPE 3 MULCH) SIDESLOPE SEEDING			<u> </u>					
112		AC	12.12	\$	3,353	\$	40,642		
113	(SEED MIX: BUFFER BLEND WITH BFM) BUFFER STRIP MOWING	AC	20.00	\$	85	\$	1,700		
114	WEED SPRAYING	AC	32.12	\$	150	\$	4,818		
117	WEED OF TOTTING	ΛΟ	0Z.1Z	Ψ	Total		144,735		
				10%	Unforeseen		14,474		
				10 70	Subtotal		159,209		
	TEMPORARY DAMAGES	AC	20.0	\$	650		13,000		
County Administration Costs									
Topographic Survey									
Reports, Plans and Specifications									
Construction Staking & Administration									
Total Main Open Ditch Improvement Cost									

Main Tile

Maii iio									
Item No.	ltem	Unit	Quantity	ι	Jnit Price		Amount		
101	MOBILIZATION	LS	1	\$	7,440.00	\$	7,440		
102	TILE INVESTIGATION	HR	10	\$	106.50	\$	1,065		
103	24-INCH AGRICULTURAL TILE	LF	3156	\$	29.20	\$	92,155		
104	18-INCH AGRICULTURAL TILE	LF	1624	\$	24.60	\$	39,950		
105	CONNECT EXISTING 24-INCH TILE	EA	1	\$	1,232.50	\$	1,233		
106	CONNECT EXISTING 18-INCH TILE	EA	1	\$	871.50	\$	872		
107	INSTALL DROP INTAKE (18-INCH)	EA	5	\$	1,085	\$	5,425		
108	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	20	\$	400	\$	8,000		
					Total	\$	156,200		
			,	10%	Unforeseen	\$	15,620		
					Subtotal	\$	171,820		
	TEMPORARY DAMAGES	AC	16.5	\$	650	\$	10,725		
			County Adm	inist	ration Costs	\$	3,437		
Topographic Survey									
Reports, Plans and Specifications									
Construction Staking & Administration									
		Total N	/lain Tile Imp	rove	ement Cost	\$	216,911		



PROPOSED OPTION #2 IMPROVEMENT

Branch B Tile

Item No.	ltem	Unit	Quantity	Ur	nit Price		Amount	
101	MOBILIZATION	LS	1	\$	780.00	\$	780	
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213	
103	18-INCH AGRICULTURAL TILE	LF	525	\$	24.60	\$	12,915	
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	3	\$	400	\$	1,200	
Total								
			1	10% L	Inforeseen	\$	1,620	
					Subtotal	\$	17,820	
	TEMPORARY DAMAGES	AC	1.9	\$	650	\$	1,235	
			County Adm	inistra	ation Costs	\$	357	
Topographic Survey								
Reports, Plans and Specifications								
Construction Staking & Administration								
	T	otal Branc	h B Tile Imp	rover	ment Cost	\$	22,621	

Branch C Tile

Brailer C Tile									
Item No.	ltem	Unit	Quantity	J	Init Price		Amount		
101	MOBILIZATION	LS	1	\$	1,050.00	\$	1,050		
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213		
103	15-INCH AGRICULTURAL TILE	LF	700	\$	21.00	\$	14,700		
104	12-INCH AGRICULTURAL TILE	LF	200	\$	16.75	\$	3,350		
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085		
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	4	\$	400	\$	1,600		
					Total	\$	22,000		
			1	10%	Unforeseen	\$	2,200		
					Subtotal	\$	24,200		
	TEMPORARY DAMAGES	AC	3.1	\$	650	\$	2,015		
			County Adm	inist	ration Costs	\$	484		
Topographic Survey									
Reports, Plans and Specifications									
		Construc	tion Staking	& Ad	Iministration	\$	1,936		
	Т	otal Brand	h C Tile Imp	rove	ement Cost	\$	31,055		



PROPOSED OPTION #2 IMPROVEMENT

Branch D Tile

Item No.	Item	Unit	Quantity	Unit Price		Amount		
101	MOBILIZATION	LS	1	\$ 3,000.00	\$	3,000		
102	TILE INVESTIGATION	HR	4	\$ 106.50	\$	426		
103	24-INCH AGRICULTURAL TILE	LF	900	\$ 29.20	\$	26,280		
104	18-INCH AGRICULTURAL TILE	LF	1100	\$ 24.60	\$	27,060		
105	CONNECT EXISTING 10-INCH TILE	EA	1	\$ 447.50	\$	448		
106	CONNECT EXISTING 8-INCH TILE	EA	1	\$ 315.50	\$	316		
107	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085	\$	2,170		
108	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	8	\$ 400	\$	3,200		
				Tota	I \$	62,900		
			1	10% Unforeseer	1 \$	6,290		
				Subtota	I \$	69,190		
	TEMPORARY DAMAGES	AC	6.9	\$ 650	\$	4,485		
				inistration Costs		1,384		
				ographic Survey		2,768 4,152		
Reports, Plans and Specifications								
Construction Staking & Administration								
	T	otal Branc	ch D Tile Imp	rovement Cos	t \$	87,515		

Branch D-1 Tile

Didiicii D-1 Tile								
Item No.	Item	Unit	Quantity	U	nit Price		Amount	
101	MOBILIZATION	LS	1	\$	870.00	\$	870	
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213	
103	10-INCH AGRICULTURAL TILE	LF	900	\$	16.00	\$	14,400	
104	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085	
105	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	4	\$	400	\$	1,600	
Total								
10% Unforeseen							1,820	
					Subtotal	\$	20,020	
	TEMPORARY DAMAGES	AC	3.1	\$	650	\$	2,015	
County Administration Costs							401	
Topographic Survey							801	
Reports, Plans and Specifications							1,202	
Construction Staking & Administration							1,602	
	Tot	al Branch	D-1 Tile Imp	rove	ment Cost	\$	26,041	

Branch E Tile

	Bianch E me			Branch E The									
Item No.	ltem	Unit	Quantity	Ui	nit Price		Amount						
101	MOBILIZATION	LS	1	\$	460.00	\$	460						
102	TILE INVESTIGATION	HR	1	\$	106.50	\$	107						
103	12-INCH AGRICULTURAL TILE	LF	425	\$	16.75	\$	7,119						
105	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085						
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$	400	\$	800						
Total													
			,	10% l	Jnforeseen	\$	960						
					Subtotal	\$	10,560						
	TEMPORARY DAMAGES	AC	1.5	\$	650	\$	975						
County Administration Costs													
Topographic Survey													
Reports, Plans and Specifications							634						
		Construc	tion Staking	& Adr	ministration	\$	845						
	T	otal Brand	ch E Tile Imp	rove	ment Cost	\$	13,649						



PROPOSED OPTION #2 IMPROVEMENT

Branch F Tile

Item No.	Item	Unit	Quantity	l	Init Price		Amount
101	MOBILIZATION	LS	1	\$	2,150.00	\$	2,150
102	TILE INVESTIGATION	HR	3	\$	106.50	\$	320
103	24-INCH AGRICULTURAL TILE	LF	1300	\$	29.20	\$	37,960
105	INSTALL DROP INTAKE (18-INCH)	EA	2	\$	1,085	\$	2,170
106	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	6	\$	400	69	2,400
Total							
10% Unforeseen							4,500
					Subtotal	\$	49,500
	TEMPORARY DAMAGES	AC	4.5	\$	650	\$	2,925
			County Adm	inist	ration Costs	\$	990
			Тор	ogra	phic Survey	\$	1,980
	Reports, Plans and Specifications						2,970
	Construction Staking & Administration						
	Ţ	otal Brand	ch F Tile Imp	rove	ement Cost	\$	62,325

Branch H Open Ditch

Item No.	ltem	Unit	Quantity	Uı	nit Price		Amount
101	MOBILIZATION	LS	1	\$	120.00	\$	120
102	DITCH CLEANING (4' WIDE DITCH BOTTOM)	LF	500	\$	2.00	\$	1,000
103	16.5' BUFFER STRIP SEEDING	AC	0.38	\$	1,165	\$	441
104	SIDESLOPE SEEDING	AC	0.23	\$	3,353	\$	770
105	BUFFER STRIP MOWING	AC	0.38	\$	85	\$	32
106	WEED SPRAYING	AC	0.61	\$	150	\$	91
Total							2,454
			•	10% l	Jnforeseen	\$	245
					Subtotal	\$	2,700
	TEMPORARY DAMAGES	AC	0.4	\$	650	\$	260
			County Adm	inistra	ation Costs	\$	54
	Topographic Survey						
Reports, Plans and Specifications						\$	162
	Construction Staking & Administration						216
	Total Bra	anch H Op	en Ditch Imp	rove	ment Cost	\$	3,419

Branch L Tile

	Dianon Line						• •
Item No.	Item	Unit	Quantity	Uı	nit Price		Amount
101	MOBILIZATION	LS	1	\$	6,710.00	\$	6,710
102	TILE INVESTIGATION	HR	9	\$	106.50	\$	959
103	24-INCH AGRICULTURAL TILE	LF	3300	\$	29.20	\$	96,360
104	18-INCH AGRICULTURAL TILE	LF	981	\$	24.60	\$	24,133
108	INSTALL DROP INTAKE (18-INCH)	EA	5	\$	1,085	\$	5,425
109	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	18	\$	400	\$	7,200
Total							
			•	10% L	Jnforeseen	\$	14,080
					Subtotal	\$	154,880
	TEMPORARY DAMAGES	AC	14.8	\$	650	\$	9,620
			County Adm	inistra	ation Costs	\$	3,098
Topographic Survey						\$	6,196
Reports, Plans and Specifications							9,293
Construction Staking & Administration						\$	12,391
	Ţ	otal Brand	ch L Tile Imp	rove	ment Cost	\$	195,478



PROPOSED OPTION #2 IMPROVEMENT Branch J Tile

Item No.	ltem	Unit	Quantity	Į	Jnit Price		Amount
101	MOBILIZATION	LS	1	\$	12,090.00	\$	12,090
102	TILE INVESTIGATION	HR	17	\$	106.50	\$	1,811
103	24-INCH AGRICULTURAL TILE	LF	5950	\$	29.20	\$	173,740
104	12-INCH AGRICULTURAL TILE	LF	1550	\$	16.75	\$	25,963
105	10-INCH AGRICULTURAL TILE	LF	840	\$	16.00	\$	13,440
106	CONNECT EXISTING 18-INCH TILE	EA	1	\$	871.50	\$	872
107	CONNECT EXISTING 15-INCH TILE	EA	1	\$	644.50	\$	645
108	CONNECT EXISTING 12-INCH TILE	EA	1	\$	494.50	\$	495
109	CONNECT EXISTING 10-INCH TILE	EA	2	\$	447.50	\$	895
110	CONNECT EXISTING 6-INCH TILE	EA	2	\$	281.00	\$	562
111	INSTALL DROP INTAKE (18-INCH)	EA	9	\$	1,085	\$	9,765
112	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	34	\$	400	69	13,600
					Total	\$	253,900
			,	10%	Unforeseen	\$	25,390
					Subtotal	\$	279,290
	TEMPORARY DAMAGES	AC	28.8	\$	650	\$	18,720
			County Adm	inist	ration Costs	\$	5,586 11,172
Topographic Survey							
Reports, Plans and Specifications							
		Construc	tion Staking	& Ac	dministration	\$	22,344
	1	otal Bran	ch J Tile Imp	rov	ement Cost	\$	353,870

Branch J-1 Tile

Item No.	Item	Unit	Quantity	U	Init Price		Amount	
101	MOBILIZATION	LS	1	\$	3,100.00	\$	3,100	
102	TILE INVESTIGATION	HR	6	\$	106.50	\$	639	
102	15-INCH AGRICULTURAL TILE	LF	2550	\$	21.00	\$	53,550	
106	INSTALL DROP INTAKE (18-INCH)	EA	3	\$	1,085	\$	3,255	
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	11	\$	400	\$	4,400	
Total								
			•	10%	Unforeseen	\$	6,500	
					Subtotal	\$	71,500	
	TEMPORARY DAMAGES	AC	8.8	\$	650	\$	5,720	
County Administration Costs								
Topographic Survey								
Reports, Plans and Specifications							4,290	
			ction Staking				5,720	
	Tot	tal Branch	J-1 Tile Imp	rove	ement Cost	\$	91,520	



PROPOSED OPTION #2 IMPROVEMENT Branch J-5 Tile

Item No.	ltem	Unit	Quantity	U	nit Price		Amount
101	MOBILIZATION	LS	1	\$	470.00	\$	470
102	TILE INVESTIGATION	HR	1	\$	106.50	\$	107
103	18-INCH AGRICULTURAL TILE	LF	296	\$	24.60	\$	7,282
104	INSTALL DROP INTAKE (18-INCH)	EA	1	\$	1,085	\$	1,085
105	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$	400	\$	800
Total							9,800
10% Unforeseen							980
					Subtotal	\$	10,780
	TEMPORARY DAMAGES	AC	1.1	\$	650	\$	715
			County Adm	inistr	ation Costs	\$	216
			Тор	ograp	hic Survey	\$	432
Reports, Plans and Specifications							647
Construction Staking & Administration							863
	Tot	tal Branch	J-5 Tile Imp	rove	ment Cost	\$	13,653

Branch K Tile

Item No.	ltem	Unit	Quantity	l	Init Price		Amount
101	MOBILIZATION	LS	1	\$	3,020.00	\$	3,020
102	TILE INVESTIGATION	HR	2	\$	106.50	\$	213
103	24-INCH AGRICULTURAL TILE	LF	1350	\$	29.20	\$	39,420
104	18-INCH AGRICULTURAL TILE	LF	625	\$	24.60	\$	15,375
106	INSTALL DROP INTAKE (18-INCH)	EA	2	\$	1,085	\$	2,170
107	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	8	\$	400	\$	3,200 63,400
Total							
			•	10%	Unforeseen	\$	6,340
					Subtotal	\$	69,740
	TEMPORARY DAMAGES	AC	6.9	\$	650	\$	4,485
			County Adm	inist	ration Costs	\$	1,395
Topographic Survey							2,790
Reports, Plans and Specifications							4,185
	·		ction Staking			_	5,580
	T	otal Branc	ch K Tile Imp	rove	ement Cost	\$	88,175

Potential Storage - 4.25 AC

Item No.	Item	Unit	Quantity	U	Init Price		Amount		
101	MOBILIZATION	LS	1	\$	2,590.00	\$	2,590		
102	TILE INVESTIGATION	HR	3	\$	106.50	\$	320		
103	COMMON EXCAVATION	CY	13,769.85	\$	3.00	\$	41,310		
104	INSTALL STRUCTURE S-1 WITH GALVINIZED GRATE	LS	1	\$	3,850.00	\$	3,850		
106	RIPRAP WITH GEOTEXTILE FABRIC	CY	100	\$	62	\$	6,200		
Total									
			1	10%	Unforeseen	\$	5,430		
					Subtotal	\$	59,730		
	TEMPORARY DAMAGES	AC	6.0	\$	650	\$	3,900		
County Administration Costs									
Topographic Survey									
Reports, Plans and Specifications							3,584		
			tion Staking a				4,779		
	Total Potential	Storage -	4.25 AC Imp	rove	ement Cost	\$	75,578		



PROPOSED OPTION #2 IMPROVEMENT

TOTAL IMPROVEMENT COST

	_	
Main Open Ditch	\$	217,139
Main Tile	\$	216,911
Branch B Tile	\$	22,621
Branch C Tile	\$	31,055
Branch D Tile	\$	87,515
Branch E Tile	\$	26,041
Branch F Tile	\$	13,649
Branch H Open Ditch	\$	62,325
Branch L Tile		195,478
Branch J Tile	\$	353,870
Branch J-1 Tile	\$	91,520
Branch J-5 Tile	\$	13,653
Branch K Tile	\$	88,175
Potential Storage - 4.25 AC	\$	75,578



ROAD CROSSING SUMMARY - OPTION #1

Crossing	Road Authority	oair Cost th Road	Repair Cost Without Road		Improvement Cost	(Di	Road Authority Cost ifference of Repair Cost th Road and Repair Cost Without Road)	Authorit	es Paid To Road ty (Difference of ement Cost and Authority Cost)
			MAIN						
County Road 5	COUNTY	\$ 20,192	\$ 3,0	065	\$ 21,492	\$	17,127	\$	4,365
TOTAL		\$ 20,192	\$ 3,0)65	\$ 21,492	\$	17,127	\$	4,365
STATE ROAD AUTHORITY	TOTAL	\$ -	\$	-	\$ -	\$	-	\$	-
COUNTY ROAD AUTHORITY	Y TOTAL	\$ 20,192	\$ 3,0)65	\$ 21,492	\$	17,127	\$	4,365
TOWNSHIP ROAD AUTHOR	IY TOTAL	\$ -	\$	-	\$ -	\$	-	\$	-

	R	OA	D CROSS	SIN	G SUMMA	۱R	Y - OPTIO	N #	#2		
Crossing	Road Authority		epair Cost Vith Road		Repair Cost /ithout Road	In	nprovement Cost	•	Road Authority Cost ifference of Repair Cost th Road and Repair Cost Without Road)	,	Damages Paid To Road Authority (Difference of Improvement Cost and Road Authority Cost)
					MAIN						
County Road 5	COUNTY	\$	20,192	\$	3,065	\$	21,492	\$	17,127	\$	4,365
					BRANCH J						
County Road 5	COUNTY	\$	20,192.00	\$	3,064.91	\$	21,492.00	\$	17,127.09	\$	4,364.91
County Road 6	COUNTY	\$	19,917.00	\$	2,756.91	\$	21,492.00	\$	17,160.09	\$	4,331.91
County Road 6	COUNTY	\$	11,412.00	\$	2,161.91	\$	19,917.00	\$	9,250.09	\$	10,666.91
TOTAL		\$	71,713	\$	11,049	\$	84,393	\$	60,664	\$	23,729
STATE ROAD AUTHORITY	TOTAL	\$	-	\$	-	\$	-	\$	-	\$	-
COUNTY ROAD AUTHORITY	TOTAL	\$	71,713	\$	11,049	\$	84,393	\$	60,664	\$	23,729
TOWNSHIP ROAD AUTHORI	Y TOTAL	\$	-	\$	-	\$	-	\$	-	\$	-



ROAD CROSSINGS

MAINLINE TILE REPAIR COST WITH ROAD - COUNTY ROAD 5

Item No.	Item	Unit	Quantity	Unit Price		Amount	
101	MOBILIZATION	LS	1	\$ 800.00	\$	800	
102	BORE 18-INCH TILE	LF	50	\$ 255.00	\$	12,750	
103	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170	
	TOTAL						
			10% C	ONTINGENCY	\$	1,572	
				SUBTOTAL	\$	17,292	
		С	ounty Admin	istration Costs	\$	400	
Reports, Plans and Specifications							
Construction Staking & Administration						1,400	
	ESTIMATED MAINLINE TILE REPAIR (OST WITH I	ROAD - COL	JNTY ROAD 5	\$	20,192	

MAINLINE TILE REPAIR WITHOUT ROAD - COUNTY ROAD 5

Item No.	Item	Unit	Quantity	Unit Price		Amount		
201	MOBILIZATION	LS	1	\$ 200.00	\$	200		
202	18-INCH AGRICULTURAL TILE	LF	50	\$ 24.60	\$	1,230		
203	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$ 400.00	\$	800		
				TOTAL	\$	2,230		
10% CONTINGENCY								
				SUBTOTAL	\$	2,453		
		Co	ounty Admin	istration Costs	\$	100		
		Reports	s, Plans and	Specifications	\$	200		
Construction Staking & Administration								
	TEMPORARY DAMAGES AC 0.17 \$ 650 \$							
	ESTIMATED MAINLINE TILE REPAIR	R WITHOUT F	ROAD - COL	JNTY ROAD 5	\$	3,065		

MAINLINE TILE IMPROVEMENT COST - COUNTY ROAD 5

Item No.	ltem	Unit	Quantity	Unit Price		Amount	
301	MOBILIZATION	LS	1	\$ 800.00	\$	800	
302	BORE 24-INCH TILE	LF	50	\$ 275.00	\$	13,750	
303	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170	
	TOTAL						
			10% C	ONTINGENCY	\$	1,672	
				SUBTOTAL	\$	18,392	
		С	ounty Admin	istration Costs	\$	400	
Reports, Plans and Specifications							
Construction Staking & Administration							
	ESTIMATED MAINLINE TILE IMPR	ROVEMENT	COST - COL	JNTY ROAD 5	\$	21,492	



ROAD CROSSINGS

BRANCH J TILE REPAIR COST WITH ROAD - COUNTY ROAD 5

Item No.	Item	Unit	Quantity	Unit Price		Amount	
101	MOBILIZATION	LS	1	\$ 800.00	\$	800	
102	BORE 18-INCH TILE	LF	50	\$ 255.00	\$	12,750	
103	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170	
	TOTAL						
			10% C	ONTINGENCY	\$	1,572	
				SUBTOTAL	\$	17,292	
		С	ounty Admin	istration Costs	\$	400	
	Reports, Plans and Specifications						
Construction Staking & Administration						1,400	
	ESTIMATED BRANCH J TILE REPAIR COST WITH ROAD - COUNTY ROAD 5						

BRANCH J TILE REPAIR WITHOUT ROAD - COUNTY ROAD 5

Item No.	ltem	Unit	Quantity	Unit Price		Amount		
201	MOBILIZATION	LS	1	\$ 200.00	\$	200		
202	18-INCH AGRICULTURAL TILE	LF	50	\$ 24.60	\$	1,230		
203	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$ 400.00	\$	800		
				TOTAL	\$	2,230		
10% CONTINGENCY								
				SUBTOTAL	\$	2,453		
		Co	ounty Admin	istration Costs	\$	100		
		Reports	s, Plans and	Specifications	\$	200		
Construction Staking & Administration								
	TEMPORARY DAMAGES	AC	0.17	\$ 650	\$	112		
	ESTIMATED BRANCH J TILE REPAIR	R WITHOUT F	ROAD - COL	JNTY ROAD 5	\$	3,065		

BRANCH J TILE IMPROVEMENT COST - COUNTY ROAD 5

Item No.	Item	Unit	Quantity	Unit Price		Amount
301	MOBILIZATION	LS	1	\$ 800.00	\$	800
302	BORE 24-INCH TILE	LF	50	\$ 275.00	\$	13,750
303	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170
TOTAL						
			10% C	ONTINGENCY	\$	1,672
				SUBTOTAL	\$	18,392
		С	ounty Admin	istration Costs	\$	400
Reports, Plans and Specifications						1,200
Construction Staking & Administration						1,500
ESTIMATED BRANCH J TILE IMPROVEMENT COST - COUNTY ROAD 5						



ROAD CROSSINGS

BRANCH J TILE REPAIR COST WITH ROAD - COUNTY ROAD 6

Item No.	ltem	Unit	Quantity	Unit Price		Amount	
101	MOBILIZATION	LS	1	\$ 800.00	\$	800	
102	BORE 15-INCH TILE	LF	50	\$ 250.00	\$	12,500	
103	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170	
	TOTAL						
			10% C	ONTINGENCY	\$	1,547	
				SUBTOTAL	\$	17,017	
		C	ounty Admin	istration Costs	\$	400	
Reports, Plans and Specifications						1,100	
Construction Staking & Administration						1,400	
	ESTIMATED BRANCH J TILE REPAIR C	OST WITH F	ROAD - COL	JNTY ROAD 6	\$	19,917	

BRANCH J TILE REPAIR WITHOUT ROAD - COUNTY ROAD 6

Item No.	ltem	Unit	Quantity	Un	it Price		Amount	
201	MOBILIZATION	LS	1	\$	100.00	\$	100	
202	15-INCH AGRICULTURAL TILE	LF	50	\$	21.00	\$	1,050	
203	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$	400.00	\$	800	
					TOTAL	\$	1,950	
10% CONTINGENCY								
				SU	IBTOTAL	\$	2,145	
		Co	ounty Admin	istrat	ion Costs	\$	100	
		Reports	s, Plans and	Spec	cifications	\$	200	
	Construction Staking & Administration							
	TEMPORARY DAMAGES AC 0.17 \$ 650 \$						112	
	ESTIMATED BRANCH J TILE REPAIR	R WITHOUT F	ROAD - COL	JNTY	' ROAD 6	\$	2,757	

BRANCH J TILE IMPROVEMENT COST - COUNTY ROAD 6

Item No.	ltem	Unit	Quantity	Unit Price		Amount	
301	MOBILIZATION	LS	1	\$ 800.00	\$	800	
302	BORE 24-INCH TILE	LF	50	\$ 275.00	\$	13,750	
303	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170	
	TOTAL						
			10% C	ONTINGENCY	\$	1,672	
				SUBTOTAL	\$	18,392	
		С	ounty Admin	istration Costs	\$	400	
Reports, Plans and Specifications							
Construction Staking & Administration							
	ESTIMATED BRANCH J TILE IMPR	ROVEMENT	COST - COL	JNTY ROAD 6	\$	21,492	



ROAD CROSSINGS

BRANCH J TILE REPAIR COST WITH ROAD - COUNTY ROAD 6

Item No.	ltem	Unit	Quantity	Unit Price		Amount
101	MOBILIZATION	LS	1	\$ 500.00	\$	500
102	BORE 6-INCH TILE	LF	50	\$ 125.00	\$	6,250
103	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170
				TOTAL	\$	8,920
			10% C	ONTINGENCY	\$	892
				SUBTOTAL	\$	9,812
		C	ounty Admin	istration Costs	\$	200
Reports, Plans and Specifications						600
Construction Staking & Administration						800
	ESTIMATED BRANCH J TILE REPAIR C	OST WITH F	ROAD - COL	JNTY ROAD 6	\$	11,412

BRANCH J TILE REPAIR WITHOUT ROAD - COUNTY ROAD 6

Item No.	ltem	Unit	Quantity	Unit Price		Amount	
201	MOBILIZATION	LS	1	\$ 100.00	\$	100	
202	6-INCH AGRICULTURAL TILE	LF	50	\$ 12.00	\$	600	
203	CONNECT EXISTING TILE (SIZE & MATERIAL MAY VARY)	EA	2	\$ 400.00	\$	800	
TOTAL							
10% CONTINGENCY							
SUBTOTAL							
County Administration Costs							
Reports, Plans and Specifications							
Construction Staking & Administration							
TEMPORARY DAMAGES AC 0.17 \$ 650						112	
ESTIMATED BRANCH J TILE REPAIR WITHOUT ROAD - COUNTY ROAD 6						2,162	

BRANCH J TILE IMPROVEMENT COST - COUNTY ROAD 6

Item No.	Item	Unit	Quantity	Unit Price	Amount	
301	MOBILIZATION	LS	1	\$ 800.00	\$	800
302	BORE 15-INCH TILE	LF	50	\$ 250.00	\$	12,500
303	INSTALL DROP INTAKE (18-INCH)	EA	2	\$ 1,085.00	\$	2,170
TOTAL						
10% CONTINGENCY						
SUBTOTAL						
County Administration Costs						
Reports, Plans and Specifications						
Construction Staking & Administration						1,400
ESTIMATED BRANCH J TILE IMPROVEMENT COST - COUNTY ROAD 6						19,917









